



# SOLICITATION ADDENDUM

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**CITY OF PHOENIX**  
**Water Services Department**  
**200 W. Washington Street**  
**9th Floor**  
**Phoenix, AZ 85003**

Solicitation Number: IFB-2122-WES-331 (SD)  
Addendum # 1  
Addendum Post Date: 5/9/2022  
Solicitation Due Date: 5/17/2022, 2:00 p.m., Phoenix Local Time

## Custom Analytica Standards

I. This addendum changes the subject solicitation's **due date** to:

**Tuesday, May 17, 2022 at 2:00 p.m. Phoenix Local Time**

II. This addendum revises the terms and conditions of the subject solicitation as follows:

1. **Section V – SCOPE OF WORK, Paragraph 3.1 – List of Custom Analytical Standards** from the subject solicitation is replaced with the following:

### 3.1 List of Custom Analytical Standards:

*All to be supplied in 2 mL flame sealed ampule \*see note for one exception*

*Primary and Secondary means we need two different suppliers*

<b>Group 1 - 525-0001, 525.2 Primary Standard (Acetone)</b>			
<b>Item #</b>	<b>Component</b>	<b>CAS #</b>	<b>Concentration ug/mL</b>
1	4,4'-DDD	72-54-8	100
2	4,4'-DDE	72-55-9	100
3	4,4'-DDT	50-29-3	100
4	a-Cholrdane	5103-71-9	100
5	Alachlor	15972-60-8	100
6	Atrazine	1912-24-9	100
7	Benzo[a]pyrene	50-32-8	100
8	Endrin	72-20-8	100
9	g-BHC	58-89-9	100
10	g-Chlordane	5103-74-2	100
11	Helptachlor-2,3-exo-epoxide(B)	1024-57-3	100
12	Heptachlor	76-44-8	100
13	Hexachlorobenzene	118-74-1	100
14	Hexachlorocyclopentadiene	77-47-4	100
15	Methoxychlor	72-43-5	100
16	Simazine	122-34-9	100
17	trans-Nonachlor	39765-80-5	100

### **Group 2 - 525-0002, 525.2 Secondary Standard (Acetone)**



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Item #	Component	CAS #	Concentration ug/mL
1	4,4'-DDD	72-54-8	100
2	4,4'-DDE	72-55-9	100
3	4,4'-DDT	50-29-3	100
4	a-Chlordane	5103-71-9	100
5	Alachlor	15972-60-8	100
6	Atrazine	1912-24-9	100
7	Benzo[a]pyrene	50-32-8	100
8	Endrin	72-20-8	100
9	g-BHC	58-89-9	100
10	g-Chlordane	5103-74-2	100
11	Heptachlor-2,3-exo-epoxide(B)	1024-57-3	100
12	Heptachlor	76-44-8	100
13	Hexachlorobenzene	118-74-1	100
14	Hexachlorocyclopentadiene	77-47-4	100
15	Methoxychlor	72-43-5	100
16	Simazine	122-34-9	100
17	trans-Nonachlor	39765-80-5	100

### Group 3 - 625-0001, 625 Internal Standard (Methylene Chloride)

Item #	Component	CAS #	Concentration ug/mL
1	1-Fluoronaphthalene	321-38-0	1000
2	2-Fluorophenol	367-12-4	2000
3	2-Fluorobiphenyl	321-60-8	1000

### Group 4 - 625-0002, 625 Surrogate (Methylene Chloride)

Item #	Component	CAS #	Concentration ug/mL
1	2,4,6-Tribromophenol	118-79-6	20000
2	4,4'-Dibromobiphenyl	92-86-4	10000
3	4,4'-Dibromooctafluorobiphenyl	10386-84-2	10000

### Group 5 - 625-0003, 625 Primary CWT Mix (Methylene Chloride)



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Item #	Component	CAS #	Concentration ug/mL
1	Carbazole	86-74-8	2000
2	m-Cresol	108-39-4	2000
3	n-Decane	124-18-5	2000
4	n-Octadecane	593-45-3	2000
5	o-Cresol	95-48-7	2000
6	p-Cresol	106-44-5	2000

### Group 6 - 625-0004, 625 Secondary CWT mix (Methylene Chloride)

Item #	Component	CAS #	Concentration ug/mL
1	Carbazole	86-74-8	2000
2	m-Cresol	108-39-4	2000
3	n-Decane	124-18-5	2000
4	n-Octadecane	593-45-3	2000
5	o-Cresol	95-48-7	2000
6	p-Cresol	106-44-5	2000

### Group 7 - 1657-0001, 1657 Primary Mixture (Hexane)

Item #	Component	CAS #	Concentration ug/mL
1	Azinphos-methyl	86-50-0	1000
2	Chlorpyrifos	2921-88-2	1000
3	Diazinon	333-41-5	1000
4	Ethion	563-12-2	1000
5	Malathion	121-75-5	1000
6	Methyl Parathion	298-00-0	1000
7	Parathion	56-38-2	1000

### Group 8 - 1657-0002, 1657, Secondary Mixture (Hexane)



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Item #	Component	CAS #	Concentration ug/mL
1	Azinphos-methyl	86-50-0	1000
2	Chlorpyrifos	2921-88-2	1000
3	Diazinon	333-41-5	1000
4	Ethion	563-12-2	1000
5	Malathion	121-75-5	1000
6	Parathion ethyl	298-00-0	1000
7	Parathion methyl	56-38-2	1000

### Group 9 - VOA-0001, Volatile Acids Primary Mix (Water)

Item #	Component	CAS #	Concentration ug/mL
1	Acetic Acid	64-19-7	1000
2	Isobutyric Acid	79-31-2	1000
3	Isolvaleric Acid	503-74-2	1000
4	n-Butyric Acid	107-92-6	1000
5	Propionic Acid	79-09-4	1000
6	Valerie Acid	109-52-4	1000

### Group 10 - VOA-0002, Volatile Acids, Secondary Mix (Water)

Item #	Component	CAS #	Concentration ug/mL
1	Acetic Acid	64-19-7	1000
2	Butyric Acid	79-31-2	1000
3	Isobutyric Acid	503-74-2	1000
4	Isovaleric Acid	107-92-6	1000
5	Propionic Acid	79-09-4	1000
6	Valeric Acid	109-52-4	1000

### Group 11 - 524-0001, 524-VOC, Primary Mix (Methanol)

Item #	Component	CAS #	Concentration ug/mL
1	1,1,1-Trichloroethane	71-55-6	2000
2	1,1,2-Trichloroethane	79-00-5	2000
3	1,1-Dichloroethene	75-35-4	2000
4	1,2,3-Trichlorobenzene	87-61-6	2000
5	1,2,4-Trichlorobenzene	120-82-1	2000



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6	1,2,4-Trimethylbenzene	95-63-6	2000
7	1,2-Dibromo-3-chloropropane	96-12-8	2000
8	1,2-Dibromoethane	106-93-4	2000
9	1,2-Dichlorobenzene	95-50-1	2000
10	1,2-Dichloroethane	107-06-2	2000
11	1,2-Dichloropropane	78-87-5	2000
12	1,3,5-Trimethylbenzene	108-67-8	2000
13	1,4-Dichlorobenzene	106-46-7	2000
14	4-Isopropyltoluene	99-87-6	2000
15	Benzene	71-43-2	2000
16	Bromochloromethane	74-97-5	2000
17	Bromodichloromethane	75-27-4	2000
18	Bromoform	75-25-2	2000
19	Carbon Tetrachloride	56-23-5	2000
20	Chlorobenzene	108-90-7	2000
21	Chloroform	67-66-3	2000
22	cis-1,2-Dichloroethene	156-59-4	2000
23	cis-1,3-Dichloropropene	10061-01-5	2000
24	Dibromochloromethane	124-48-1	2000
25	Dichlorodifluoromethane	75-71-8	2000
26	Ethylbenzene	100-41-4	2000
27	Hexachlorobutadiene	87-68-3	2000
28	Isopropylbenzene	98-82-8	2000
29	m-Xylene	108-38-3	2000
30	Methyl tert-butyl ether (MTBE)	1634-04-4	2000
31	Methylene Chloride	75-09-2	2000
32	n-Butylbenzene	104-51-8	2000
33	n-Propylbenzene	103-65-1	2000
34	Napthalene	91-20-3	2000
35	o-Xylene	95-47-6	2000
36	p-Xylene	106-42-3	2000
37	sec-Butylbenzene	135-98-8	2000
38	Styrene	100-42-5	2000
39	tert-Butylbenzene	98-06-6	2000
40	Tetrachloroethene	127-18-4	2000
41	Toluene	108-88-3	2000
42	trans-1,3-Dichloropropene	10061-02-6	2000
43	trans-1,2-Dichloroethene	156-60-5	2000



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44	Trichloroethene	79-01-6	2000
45	Trichlorofluoromethane	75-69-4	2000
46	Vinyl Chloride	75-01-4	2000

<b>Group 12 - 524-0002, 524-VOC, Secondary Mix (Methanol)</b>			
<b>Item #</b>	<b>Component</b>	<b>CAS #</b>	<b>Concentration ug/mL</b>
1	1,1,1-Trichloroethane	71-55-6	2000
2	1,1,2-Trichloroethane	79-00-5	2000
3	1,1-Dichloroethene	75-35-4	2000
4	1,2,3-Trichlorobenzene	87-61-6	2000
5	1,2,4-Trichlorobenzene	120-82-1	2000
6	1,2,4-Trimethylbenzene	95-63-6	2000
7	1,2-Dibromo-3-chloropropane	96-12-8	2000
8	1,2-Dibromoethane	106-93-4	2000
9	1,2-Dichlorobenzene	95-50-1	2000
10	1,2-Dichloroethane	107-06-2	2000
11	1,2-Dichloropropane	78-87-5	2000
12	1,3,5-Trimethylbenzene	108-67-8	2000
13	1,4-Dichlorobenzene	106-46-7	2000
14	4-Isopropyltoluene	99-87-6	2000
15	Benzene	71-43-2	2000
16	Bromochloromethane	74-97-5	2000
17	Bromodichloromethane	75-27-4	2000
18	Bromoform	75-25-2	2000
19	Carbon Tetrachloride	56-23-5	2000
20	Chlorobenzene	108-90-7	2000
21	Chloroform	67-66-3	2000
22	cis-1,2-Dichloroethene	156-59-4	2000
23	cis-1,3-Dichloropropene	10061-01-5	2000
24	Dibromochloromethane	124-48-1	2000
25	Dichlorodifluoromethane	75-71-8	2000
26	Ethylbenzene	100-41-4	2000
27	Hexachlorobutadiene	87-68-3	2000
28	Isopropylbenzene	98-82-8	2000
29	m-Xylene	108-38-3	2000
30	Methyl tert-butyl ether (MTBE)	1634-04-4	2000
31	Methylene Chloride	75-09-2	2000



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32	n-Butylbenzene	104-51-8	2000
33	n-Propylbenzene	103-65-1	2000
34	Napthalene	91-20-3	2000
35	o-Xylene	95-47-6	2000
36	p-Xylene	106-42-3	2000
37	sec-Butylbenzene	135-98-8	2000
38	Styrene	100-42-5	2000
39	tert-Butylbenzene	98-06-6	2000
40	Tetrachloroethene	127-18-4	2000
41	Toluene	108-88-3	2000
42	trans-1,3-Dichloropropene	10061-02-6	2000
43	trans-1.2-Dichloroethene	156-60-5	2000
44	Trichloroethene	79-01-6	2000
45	Trichlorofluoromethane	75-69-4	2000
46	Vinyl Chloride	75-01-4	2000

### Group 13 - 624-0001, 624-VOC, Primary Mix (Methanol)

Item #	Component	CAS #	Concentration ug/mL
1	1,1,1-Trichloroethane	71-55-6	2000
2	1,1,2,2-Tetrachloroethane	79-34-5	2000
3	1,1,2-Trichloroethane	79-00-5	2000
4	1,1-Dichloroethane	75-34-3	2000
5	1,1-Dichloroethene	75-35-4	2000
6	1,2,4-Trimethylbenzene	95-63-6	2000
7	1,2-Dichlorobenzene	95-50-1	2000
8	1,2-Dichloroethane	107-06-2	2000
9	1,2-Dichloropropane	78-87-5	2000
10	1,3,5-Trimethylbenzene	108-67-8	2000
11	1,3-Dichlorobenzene	541-73-1	2000
12	1,4-Dichlorobenzene	106-46-7	2000
13	Benzene	71-43-2	2000
14	Bromodichloromethane	75-27-4	2000
15	Bromoform	75-25-2	2000
16	Bromomethane	74-83-9	2000
17	Carbon Tetrachloride	56-23-5	2000
18	Chlorobenzene	108-90-7	2000
19	Chloroethane	75-00-3	2000



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20	Chloroform	67-66-3	2000
21	Chloromethane	74-87-3	2000
22	cis-1,3-Dichloropropene	10061-01-5	2000
23	Dibromochloromethane	124-48-1	2000
24	Ethylbenzene	100-41-4	2000
25	m-Xylene	108-38-3	2000
26	Methylene chloride	75-09-2	2000
27	MTBE	1634-04-4	2000
28	o-Xylene	106-42-3	2000
29	p-Xylene	95-47-6	2000
30	Tetrachloroethene	127-18-4	2000
31	Toluene	108-88-33	2000
32	trans-1,2-Dichloroethene	156-60-5	2000
33	trans-1,3-Dichloropropene	10061-02-6	2000
34	Trichloroethene	79-01-6	2000
35	Trichlorofluoromethane	75-69-4	2000
36	Vinyl chloride	75-01-4	2000

### Group 14 - 624-0002, 624-VOC, Secondary Mix (Methanol)

Item #	Component	CAS #	Concentration ug/mL
1	1,1,1-Trichloroethane	71-55-6	2000
2	1,1,2,2-Tetrachloroethane	79-34-5	2000
3	1,1,2-Trichloroethane	79-00-5	2000
4	1,1-Dichloroethane	75-34-3	2000
5	1,1-Dichloroethene	75-35-4	2000
6	1,2,4-Trimethylbenzene	95-63-6	2000
7	1,2-Dichlorobenzene	95-50-1	2000
8	1,2-Dichloroethane	107-06-2	2000
9	1,2-Dichloropropane	78-87-5	2000
10	1,3,5-Trimethylbenzene	108-67-8	2000
11	1,3-Dichlorobenzene	541-73-1	2000
12	1,4-Dichlorobenzene	106-46-7	2000
13	Benzene	71-43-2	2000
14	Bromodichloromethane	75-27-4	2000
15	Bromoform	75-25-2	2000
16	Bromomethane	74-83-9	2000
17	Carbon Tetrachloride	56-23-5	2000





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18	Chlorobenzene	108-90-7	2000
19	Chloroethane	75-00-3	2000
20	Chloroform	67-66-3	2000
21	Chloromethane	74-87-3	2000
22	cis-1,3-Dichloropropene	10061-01-5	2000
23	Dibromochloromethane	124-48-1	2000
24	Ethylbenzene	100-41-4	2000
25	m-Xylene	108-38-3	2000
26	Methylene chloride	75-09-2	2000
27	MTBE	1634-04-4	2000
28	o-Xylene	106-42-3	2000
29	p-Xylene	95-47-6	2000
30	Tetrachloroethene	127-18-4	2000
31	Toluene	108-88-33	2000
32	trans-1,2-Dichloroethene	156-60-5	2000
33	trans-1,3-Dichloropropene	10061-02-6	2000
34	Trichloroethene	79-01-6	2000
35	Trichlorofluoromethane	75-69-4	2000
36	Vinyl chloride	75-01-4	2000

### Group 15 - 624-003 624, Primary AC/AC Mix (Water)

Item #	Component	CAS #	Concentration ug/mL
1	Acrolein	107-02-08	1000
2	Acrylonitrile	107-13-1	1000

### Group 16 - 624-004 624, Secondary AC/AC Mix (Water)

Item #	Component	CAS #	Concentration ug/mL
1	Acrolein	107-02-08	1000
2	Acrylonitrile	107-13-1	1000

### Group 17 - 552-001 552, Primary Mix (MTBE)

Item #	Component	CAS #	Concentration ug/mL
1	Monochloroacetic acid	79-11-8	2000
2	Monobromoacetic acid	79-08-3	300
3	Dichloroacetic acid	79-43-6	200



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4	Trichloroacetic acid	76-03-9	500
5	Bromochloroacetic acid	5589-96-8	300
6	Bromodichloroacetic acid	71133-14-7	500
7	Dibromoacetic acid	631-64-1	300
8	Chlorodibromoacetic acid	5278-95-5	300
9	Trbromoacetic acid	75-96-7	2000

### Group 18 - 552-001 552, Secondary Mix (MTBE)

Item #	Component	CAS #	Concentration ug/mL
1	Monochloroacetic acid	79-11-8	1000
2	Monobromoacetic acid	79-08-3	1000
3	Dichloroacetic acid	79-43-6	1000
4	Trichloroacetic acid	76-03-9	1000
5	Bromochloroacetic acid	5589-96-8	1000
6	Bromodichloroacetic acid	71133-14-7	1000
7	Dibromoacetic acid	631-64-1	1000
8	Chlorodibromoacetic acid	5278-95-5	1000
9	Trbromoacetic acid	75-96-7	1000

### Group 19 - 608-001 608 CHAR, Primary Mix (Methanol)

Item #	Component	CAS #	Concentration ug/mL
1	Mirex	2385-85-5	1000
2	cis-Permethrin	61949-76-6	1000
3	trans-Permethrin	61949-77-7	1000

### Group 20 - 608-001 608 CHAR, Secondary Mix (Methanol)

Item #	Component	CAS #	Concentration ug/mL
1	Mirex	2385-85-5	1000
2	cis-Permethrin	61949-76-6	1000
3	trans-Permethrin	61949-77-7	1000



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Group 21 - Miscellaneous (Water)			
Item #	Component	CAS #	Concentration ug/mL
1	Fluoride	7681-49-4	1000
2	Nitrite as Nitrogen	7632-00-0	1000
3	Phosphate as Phosphorus	7778-77-0	1000
4	Bromide	7647-15-6	1000
5	Chloride	7647-14-5	1000
6	Sulfate	7778-80-5	10000
7	Nitrate as Nitrogen	7631-99-4	1000
8	Chlorite	7758-19-2	1000
9	Solids in Soil PT Proficiency (QA)	NA	NA

2. **Section VII – ATTACHMENTS, Attachment B – Price Schedule**, Paragraph 1.3 from the subject solicitation is replaced with the following:

**1.3** In the table below, submit a unit price and Extended price for each item number. **Award shall be determined by the lowest responsive and responsible total of each Group.** If a discrepancy occurs between the unit price and the total price, the unit price shall prevail.

*All to be supplied in 2 mL flame sealed ampule \*see note for one exception*

*Primary and Secondary means we need two different suppliers*

Group 1 - 525-0001, 525.2 Primary Standard (Acetone)						
Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	4,4'-DDD	72-54-8	100	12		
2	4,4'-DDE	72-55-9	100	12		
3	4,4'-DDT	50-29-3	100	12		
4	a-Cholrdane	5103-71-9	100	12		
5	Alachlor	15972-60-8	100	12		
6	Atrazine	1912-24-9	100	12		
7	Benzo[a]pyrene	50-32-8	100	12		
8	Endrin	72-20-8	100	12		
9	g-BHC	58-89-9	100	12		
10	g-Chlordane	5103-74-2	100	12		
11	Helptachlor-2,3-exo-epoxide(B)	1024-57-3	100	12		
12	Heptachlor	76-44-8	100	12		
13	Hexachlorobenzene	118-74-1	100	12		



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14	Hexachlorocyclopentadiene	77-47-4	100	12		
15	Methoxychlor	72-43-5	100	12		
16	Simazine	122-34-9	100	12		
17	trans-Nonachlor	39765-80-5	100	12		

Group 2 - 525-0002, 525.2 Secondary Standard (Acetone)						
Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	4,4'-DDD	72-54-8	100	12		
2	4,4'-DDE	72-55-9	100	12		
3	4,4'-DDT	50-29-3	100	12		
4	a-Chlordane	5103-71-9	100	12		
5	Alachlor	15972-60-8	100	12		
6	Atrazine	1912-24-9	100	12		
7	Benzo[a]pyrene	50-32-8	100	12		
8	Endrin	72-20-8	100	12		
9	g-BHC	58-89-9	100	12		
10	g-Chlordane	5103-74-2	100	12		
11	Heptachlor-2,3-exo-epoxide(B)	1024-57-3	100	12		
12	Heptachlor	76-44-8	100	12		
13	Hexachlorobenzene	118-74-1	100	12		
14	Hexachlorocyclopentadiene	77-47-4	100	12		
15	Methoxychlor	72-43-5	100	12		
16	Simazine	122-34-9	100	12		
17	trans-Nonachlor	39765-80-5	100	12		

Group 3 - 625-0001, 625 Internal Standard (Methylene Chloride)						
Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	1-Fluoronaphthalene	321-38-0	1000	12		
2	2-Fluorophenol	367-12-4	2000	12		
3	2-Fluorobiphenyl	321-60-8	1000	12		



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## Group 4 - 625-0002, 625 Surrogate (Methylene Chloride)

Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	2,4,6-Tribromophenol	118-79-6	20000	12		
2	4,4'-Dibromobiphenyl	92-86-4	10000	12		
3	4,4'-Dibromooctafluorobiphenyl	10386-84-2	10000	12		

## Group 5 - 625-0003, 625 Primary CWT Mix (Methylene Chloride)

Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	Carbazole	86-74-8	2000	12		
2	m-Cresol	108-39-4	2000	12		
3	n-Decane	124-18-5	2000	12		
4	n-Octadecane	593-45-3	2000	12		
5	o-Cresol	95-48-7	2000	12		
6	p-Cresol	106-44-5	2000	12		

## Group 6 - 625-0004, 625 Secondary CWT mix (Methylene Chloride)

Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	Carbazole	86-74-8	2000	12		
2	m-Cresol	108-39-4	2000	12		
3	n-Decane	124-18-5	2000	12		
4	n-Octadecane	593-45-3	2000	12		
5	o-Cresol	95-48-7	2000	12		
6	p-Cresol	106-44-5	2000	12		

## Group 7 - 1657-0001, 1657 Primary Mixture (Hexane)

Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	Azinphos-methyl	86-50-0	1000	12		
2	Chlorpyrifos	2921-88-2	1000	12		
3	Diazinon	333-41-5	1000	12		
4	Ethion	563-12-2	1000	12		
5	Malathion	121-75-5	1000	12		
6	Methyl Parathion	298-00-0	1000	12		
7	Parathion	56-38-2	1000	12		



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### Group 8 - 1657-0002, 1657, Secondary Mixture (Hexane)

Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	Azinphos-methyl	86-50-0	1000	12		
2	Chlorpyrifos	2921-88-2	1000	12		
3	Diazinon	333-41-5	1000	12		
4	Ethion	563-12-2	1000	12		
5	Malathion	121-75-5	1000	12		
6	Parathion ethyl	298-00-0	1000	12		
7	Parathion methyl	56-38-2	1000	12		

### Group 9 - VOA-0001, Volatile Acids Primary Mix (Water)

Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	Acetic Acid	64-19-7	1000	12		
2	Isobutyric Acid	79-31-2	1000	12		
3	Isolvaleric Acid	503-74-2	1000	12		
4	n-Butyric Acid	107-92-6	1000	12		
5	Propionic Acid	79-09-4	1000	12		
6	Valerie Acid	109-52-4	1000	12		

### Group 10 - VOA-0002, Volatile Acids, Secondary Mix (Water)

Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	Acetic Acid	64-19-7	1000	12		
2	Butyric Acid	79-31-2	1000	12		
3	Isobutyric Acid	503-74-2	1000	12		
4	Isovaleric Acid	107-92-6	1000	12		
5	Propionic Acid	79-09-4	1000	12		
6	Valeric Acid	109-52-4	1000	12		

### Group 11 - 524-0001, 524-VOC, Primary Mix (Methanol)

Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	1,1,1-Trichloroethane	71-55-6	2000	12		
2	1,1,2-Trichloroethane	79-00-5	2000	12		
3	1,1-Dichloroethene	75-35-4	2000	12		



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4	1,2,3-Trichlorobenzene	87-61-6	2000	12		
5	1,2,4-Trichlorobenzene	120-82-1	2000	12		
6	1,2,4-Trimethylbenzene	95-63-6	2000	12		
7	1,2-Dibromo-3-chloropropane	96-12-8	2000	12		
8	1,2-Dibromoethane	106-93-4	2000	12		
9	1,2-Dichlorobenzene	95-50-1	2000	12		
10	1,2-Dichloroethane	107-06-2	2000	12		
11	1,2-Dichloropropane	78-87-5	2000	12		
12	1,3,5-Trimethylbenzene	108-67-8	2000	12		
13	1,4-Dichlorobenzene	106-46-7	2000	12		
14	4-Isopropyltoluene	99-87-6	2000	12		
15	Benzene	71-43-2	2000	12		
16	Bromochloromethane	74-97-5	2000	12		
17	Bromodichloromethane	75-27-4	2000	12		
18	Bromoform	75-25-2	2000	12		
19	Carbon Tetrachloride	56-23-5	2000	12		
20	Chlorobenzene	108-90-7	2000	12		
21	Chloroform	67-66-3	2000	12		
22	cis-1,2-Dichloroethene	156-59-4	2000	12		
23	cis-1,3-Dichloropropene	10061-01-5	2000	12		
24	Dibromochloromethane	124-48-1	2000	12		
25	Dichlorodifluoromethane	75-71-8	2000	12		
26	Ethylbenzene	100-41-4	2000	12		
27	Hexachlorobutadiene	87-68-3	2000	12		
28	Isopropylbenzene	98-82-8	2000	12		
29	m-Xylene	108-38-3	2000	12		
30	Methyl tert-butyl ether (MTBE)	1634-04-4	2000	12		
31	Methylene Chloride	75-09-2	2000	12		
32	n-Butylbenzene	104-51-8	2000	12		
33	n-Propylbenzene	103-65-1	2000	12		
34	Napthalene	91-20-3	2000	12		
35	o-Xylene	95-47-6	2000	12		
36	p-Xylene	106-42-3	2000	12		
37	sec-Butylbenzene	135-98-8	2000	12		
38	Styrene	100-42-5	2000	12		
39	tert-Butylbenzene	98-06-6	2000	12		
40	Tetrachloroethene	127-18-4	2000	12		
41	Toluene	108-88-3	2000	12		



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42	trans-1,3-Dichloropropene	10061-02-6	2000	12		
43	trans-1,2-Dichloroethene	156-60-5	2000	12		
44	Trichloroethene	79-01-6	2000	12		
45	Trichlorofluoromethane	75-69-4	2000	12		
46	Vinyl Chloride	75-01-4	2000	12		

Group 12 - 524-0002, 524-VOC, Secondary Mix (Methanol)						
Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	1,1,1-Trichloroethane	71-55-6	2000	12		
2	1,1,2-Trichloroethane	79-00-5	2000	12		
3	1,1-Dichloroethene	75-35-4	2000	12		
4	1,2,3-Trichlorobenzene	87-61-6	2000	12		
5	1,2,4-Trichlorobenzene	120-82-1	2000	12		
6	1,2,4-Trimethylbenzene	95-63-6	2000	12		
7	1,2-Dibromo-3-chloropropane	96-12-8	2000	12		
8	1,2-Dibromoethane	106-93-4	2000	12		
9	1,2-Dichlorobenzene	95-50-1	2000	12		
10	1,2-Dichloroethane	107-06-2	2000	12		
11	1,2-Dichloropropane	78-87-5	2000	12		
12	1,3,5-Trimethylbenzene	108-67-8	2000	12		
13	1,4-Dichlorobenzene	106-46-7	2000	12		
14	4-Isopropyltoluene	99-87-6	2000	12		
15	Benzene	71-43-2	2000	12		
16	Bromochloromethane	74-97-5	2000	12		
17	Bromodichloromethane	75-27-4	2000	12		
18	Bromoform	75-25-2	2000	12		
19	Carbon Tetrachloride	56-23-5	2000	12		
20	Chlorobenzene	108-90-7	2000	12		
21	Chloroform	67-66-3	2000	12		
22	cis-1,2-Dichloroethene	156-59-4	2000	12		
23	cis-1,3-Dichloropropene	10061-01-5	2000	12		
24	Dibromochloromethane	124-48-1	2000	12		
25	Dichlorodifluoromethane	75-71-8	2000	12		
26	Ethylbenzene	100-41-4	2000	12		
27	Hexachlorobutadiene	87-68-3	2000	12		
28	Isopropylbenzene	98-82-8	2000	12		
29	m-Xylene	108-38-3	2000	12		





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30	Methyl tert-butyl ether (MTBE)	1634-04-4	2000	12		
31	Methylene Chloride	75-09-2	2000	12		
32	n-Butylbenzene	104-51-8	2000	12		
33	n-Propylbenzene	103-65-1	2000	12		
34	Napthalene	91-20-3	2000	12		
35	o-Xylene	95-47-6	2000	12		
36	p-Xylene	106-42-3	2000	12		
37	sec-Butylbenzene	135-98-8	2000	12		
38	Styrene	100-42-5	2000	12		
39	tert-Butylbenzene	98-06-6	2000	12		
40	Tetrachloroethene	127-18-4	2000	12		
41	Toluene	108-88-3	2000	12		
42	trans-1,3-Dichloropropene	10061-02-6	2000	12		
43	trans-1.2-Dichloroethene	156-60-5	2000	12		
44	Trichloroethene	79-01-6	2000	12		
45	Trichlorofluoromethane	75-69-4	2000	12		
46	Vinyl Chloride	75-01-4	2000	12		

### Group 13 - 624-0001, 624-VOC, Primary Mix (Methanol)

Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	1,1,1-Trichloroethane	71-55-6	2000	12		
2	1,1,2,2-Tetrachloroethane	79-34-5	2000	12		
3	1,1,2-Trichloroethane	79-00-5	2000	12		
4	1,1-Dichloroethane	75-34-3	2000	12		
5	1,1-Dichloroethene	75-35-4	2000	12		
6	1,2,4-Trimethylbenzene	95-63-6	2000	12		
7	1,2-Dichlorobenzene	95-50-1	2000	12		
8	1,2-Dichloroethane	107-06-2	2000	12		
9	1,2-Dichloropropane	78-87-5	2000	12		
10	1,3,5-Trimethylbenzene	108-67-8	2000	12		
11	1,3-Dichlorobenzene	541-73-1	2000	12		
12	1,4-Dichlorobenzene	106-46-7	2000	12		
13	Benzene	71-43-2	2000	12		
14	Bromodichloromethane	75-27-4	2000	12		
15	Bromoform	75-25-2	2000	12		
16	Bromomethane	74-83-9	2000	12		
17	Carbon Tetrachloride	56-23-5	2000	12		



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18	Chlorobenzene	108-90-7	2000	12		
19	Chloroethane	75-00-3	2000	12		
20	Chloroform	67-66-3	2000	12		
21	Chloromethane	74-87-3	2000	12		
22	cis-1,3-Dichloropropene	10061-01-5	2000	12		
23	Dibromochloromethane	124-48-1	2000	12		
24	Ethylbenzene	100-41-4	2000	12		
25	m-Xylene	108-38-3	2000	12		
26	Methylene chloride	75-09-2	2000	12		
27	MTBE	1634-04-4	2000	12		
28	o-Xylene	106-42-3	2000	12		
29	p-Xylene	95-47-6	2000	12		
30	Tetrachloroethene	127-18-4	2000	12		
31	Toluene	108-88-33	2000	12		
32	trans-1,2-Dichloroethene	156-60-5	2000	12		
33	trans-1,3-Dichloropropene	10061-02-6	2000	12		
34	Trichloroethene	79-01-6	2000	12		
35	Trichlorofluoromethane	75-69-4	2000	12		
36	Vinyl chloride	75-01-4	2000	12		

## Group 14 - 624-0002, 624-VOC, Secondary Mix (Methanol)

Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	1,1,1-Trichloroethane	71-55-6	2000	12		
2	1,1,2,2-Tetrachloroethane	79-34-5	2000	12		
3	1,1,2-Trichloroethane	79-00-5	2000	12		
4	1,1-Dichloroethane	75-34-3	2000	12		
5	1,1-Dichloroethene	75-35-4	2000	12		
6	1,2,4-Trimethylbenzene	95-63-6	2000	12		
7	1,2-Dichlorobenzene	95-50-1	2000	12		
8	1,2-Dichloroethane	107-06-2	2000	12		
9	1,2-Dichloropropane	78-87-5	2000	12		
10	1,3,5-Trimethylbenzene	108-67-8	2000	12		
11	1,3-Dichlorobenzene	541-73-1	2000	12		
12	1,4-Dichlorobenzene	106-46-7	2000	12		
13	Benzene	71-43-2	2000	12		
14	Bromodichloromethane	75-27-4	2000	12		
15	Bromoform	75-25-2	2000	12		



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16	Bromomethane	74-83-9	2000	12		
17	Carbon Tetrachloride	56-23-5	2000	12		
18	Chlorobenzene	108-90-7	2000	12		
19	Chloroethane	75-00-3	2000	12		
20	Chloroform	67-66-3	2000	12		
21	Chloromethane	74-87-3	2000	12		
22	cis-1,3-Dichloropropene	10061-01-5	2000	12		
23	Dibromochloromethane	124-48-1	2000	12		
24	Ethylbenzene	100-41-4	2000	12		
25	m-Xylene	108-38-3	2000	12		
26	Methylene chloride	75-09-2	2000	12		
27	MTBE	1634-04-4	2000	12		
28	o-Xylene	106-42-3	2000	12		
29	p-Xylene	95-47-6	2000	12		
30	Tetrachloroethene	127-18-4	2000	12		
31	Toluene	108-88-33	2000	12		
32	trans-1,2-Dichloroethene	156-60-5	2000	12		
33	trans-1,3-Dichloropropene	10061-02-6	2000	12		
34	Trichloroethene	79-01-6	2000	12		
35	Trichlorofluoromethane	75-69-4	2000	12		
36	Vinyl chloride	75-01-4	2000	12		

### Group 15 - 624-003 624, Primary AC/AC Mix (Water)

Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	Acrolein	107-02-08	1000	12		
2	Acrylonitrile	107-13-1	1000	12		

### Group 16 - 624-004 624, Secondary AC/AC Mix (Water)

Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	Acrolein	107-02-08	1000	12		
2	Acrylonitrile	107-13-1	1000	12		

### Group 17 - 552-001 552, Primary Mix (MTBE)

Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	Monochloroacetic acid	79-11-8	2000	12		



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2	Monobromoacetic acid	79-08-3	300	12		
3	Dichloroacetic acid	79-43-6	200	12		
4	Trichloroacetic acid	76-03-9	500	12		
5	Bromochloroacetic acid	5589-96-8	300	12		
6	Bromodichloroacetic acid	71133-14-7	500	12		
7	Dibromoacetic acid	631-64-1	300	12		
8	Chlorodibromoacetic acid	5278-95-5	300	12		
9	Trbromoacetic acid	75-96-7	2000	12		

### Group 18 - 552-001 552, Secondary Mix (MTBE)

Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	Monochloroacetic acid	79-11-8	1000	12		
2	Monobromoacetic acid	79-08-3	1000	12		
3	Dichloroacetic acid	79-43-6	1000	12		
4	Trichloroacetic acid	76-03-9	1000	12		
5	Bromochloroacetic acid	5589-96-8	1000	12		
6	Bromodichloroacetic acid	71133-14-7	1000	12		
7	Dibromoacetic acid	631-64-1	1000	12		
8	Chlorodibromoacetic acid	5278-95-5	1000	12		
9	Trbromoacetic acid	75-96-7	1000	12		

### Group 19 - 608-001 608 CHAR, Primary Mix (Methanol)

Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	Mirex	2385-85-5	1000	12		
2	cis-Permethrin	61949-76-6	1000	12		
3	trans-Permethrin	61949-77-7	1000	12		

### Group 20 - 608-001 608 CHAR, Secondary Mix (Methanol)

Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	Mirex	2385-85-5	1000	12		
2	cis-Permethrin	61949-76-6	1000	12		
3	trans-Permethrin	61949-77-7	1000	12		



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Group 21 - Miscellaneous (Water)						
Item #	Component	CAS #	Concentration ug/mL	Est. Qty	Unit Price	Extended Price
1	Fluoride	7681-49-4	1000	12		
2	Nitrite as Nitrogen	7632-00-0	1000	12		
3	Phosphate as Phosphorus	7778-77-0	1000	12		
4	Bromide	7647-15-6	1000	12		
5	Chloride	7647-14-5	1000	12		
6	Sulfate	7778-80-5	10000	12		
7	Nitrate as Nitrogen	7631-99-4	1000	12		
8	Chlorite	7758-19-2	1000	12		
9	Solids in Soil PT Proficiency (QA)	NA	NA	12		

3. **Section VI - SUBMITTALS**, paragraph 1 from the subject solicitation is replaced with the following:

3. **OFFER SUBMITTAL FORMAT:**

The written offer should be:

- Typewritten for ease of evaluation;
- Signed by an authorized representative of the Offeror;
- Submitted with contact information for the individual(s) authorized to negotiate with the City;
- Submitted with a table of contents and tabbed per the following major sections:

Cover Letter with contact information

Tab 1 **Section VI** – Submittal Section, pages 52 -55;

Tab 2 **Attachment A** – Conflict of Interest & Solicitation Transparency Disclosure, pages 56 -59;

Tab 3 **Attachment B** – Price Bid Sheet, page 60 - 68;

Tab 4 **Attachment C** – References, (pages 69 - 71)

Tab 5 Solicitation **Addendum** (if any)

Tab 6 Any other required documentation

4. **Section VII - ATTACHMENTS, Attachment C – References**, paragraph 1 from the subject solicitation is replaced with the following:

1. **OFFEROR'S NAME:** \_\_\_\_\_



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Solicitation Due Date: 5/17/2022, 2:00 p.m., Phoenix Local Time

**Instructions to Offeror:** The Offeror is to provide three (3) verifiable professional references. This two-page form should be provided to each reference, and the form must be returned to the Procurement Officer directly by the reference. Emphasis should be placed on providing references that can further demonstrate the Offeror's experience and ability to meet the requirements outlined in the Scope of Work.

**Instructions for Reference:** Please return the completed form (via email) to Procurement Officer Steve De La Huerta at [steve.delahuerta@phoenix.gov](mailto:steve.delahuerta@phoenix.gov).

If you are unable or unwilling to complete the reference questionnaire, please notify the company that sent you this reference form as soon as possible so they may select another reference.

This reference form must be received by the Procurement Officer no later than the solicitation deadline: **2:00 p.m. Phoenix local time on Thursday, May 12, 2022.**

III. This addendum answers the following questions, which Phoenix received after the subject solicitation's pre-proposal meeting:

**Question 1:** Can you please clarify when the bid solicitation and reference form must be sent to Procurement Officer, as two dates are conflicting, and due date is listed with incorrect year?

**Answer 1:** Refer to Section I, item 3 – **Offer Submittal Format**, of this addenda.

**Question 2:** Can you please clarify the correct corresponding page numbers?

**Answer 2:** Refer to Section I item 4 – **Attachment C – References**, of this addenda.

**Question 3:** Can substitutions be made regarding solvent or concentration of any particular standard?

**Answer 3:** No substitutions.

**Question 4:** Is the City looking for these standards as individual compounds or as mixes? How would you like the pricing reflected?

**Answer 4:** We need mixes created and would like the price to be per ampule. Keep as custom mixes. There are some individual analytes that are also being requested to add to the contract for methods 300.0 and 300.1.



## SOLICITATION ADDENDUM

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**CITY OF PHOENIX**  
**Water Services Department**  
**200 W. Washington Street**  
**9th Floor**  
**Phoenix, AZ 85003**

Solicitation Number: IFB-2122-WES-331 (SD)  
Addendum # 1  
Addendum Post Date: 5/9/2022  
Solicitation Due Date: 5/17/2022, 2:00 p.m., Phoenix Local Time

**Question 5:** Groups 11 and 12 524-0002, 524-VOE Primary and Secondary mix. Group 11 has 46 components, Group 12 has 45 components. Group 12 missing component n-Propylbenzene CAS 103-65-1. Can this be added by me, or does the City need to revise?

**Answer 5:** Refer to Section I, item 1 – **List of Custom Analytical Standards** and Item 2 – **Attachment B – Price Schedule**, of this addenda.

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All other terms and conditions remain unchanged.

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**SOLICITATION ADDENDUM**

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**CITY OF PHOENIX  
Water Services Department  
200 W. Washington Street  
9th Floor  
Phoenix, AZ 85003**

Solicitation Number: IFB-2122-WES-331 (SD)  
Addendum # 1  
Addendum Post Date: 5/9/2022  
Solicitation Due Date: 5/17/2022, 2:00 p.m., Phoenix Local Time

**Offeror is required to sign and return addendum with their bid.**

Name of Company: \_\_\_\_\_

Address: \_\_\_\_\_

Print Name and Title: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_