

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061623\
 Data File : VX036181.D
 Acq On : 16 Jun 2023 13:37
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/16/2023
 Supervised By : Mahesh Dadoda 06/19/2023

Quant Time: Jun 16 14:55:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 16 14:52:15 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	173193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	319576	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	298775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	147979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	168824	53.341	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.680%			
35) Dibromofluoromethane	5.385	113	113113	52.196	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.400%			
50) Toluene-d8	8.647	98	413972	52.223	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.440%			
62) 4-Bromofluorobenzene	11.079	95	171276	53.526	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.060%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	106005	49.864	ug/l	100
3) Chloromethane	1.294	50	113335	50.389	ug/l	99
4) Vinyl Chloride	1.374	62	108413	50.596	ug/l	100
5) Bromomethane	1.617	94	66275	50.317	ug/l	98
6) Chloroethane	1.691	64	73234	52.822	ug/l	98
7) Trichlorofluoromethane	1.886	101	178027	51.340	ug/l	99
8) Diethyl Ether	2.130	74	66851	51.795	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	100389	50.765	ug/l	97
10) Methyl Iodide	2.453	142	112979	55.409	ug/l	99
11) Tert butyl alcohol	2.995	59	131709m	272.114	ug/l	
12) 1,1-Dichloroethene	2.319	96	95110	50.862	ug/l	100
13) Acrolein	2.239	56	134100	249.563	ug/l	100
14) Allyl chloride	2.666	41	203003	53.653	ug/l	97
15) Acrylonitrile	3.062	53	324530	262.187	ug/l	100
16) Acetone	2.392	43	322841	269.871	ug/l	99
17) Carbon Disulfide	2.514	76	243450	52.671	ug/l	99
18) Methyl Acetate	2.703	43	264612	53.059	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	386746	52.832	ug/l	99
20) Methylene Chloride	2.788	84	116992	49.106	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	105857	50.951	ug/l	95
22) Diisopropyl ether	3.757	45	402882	53.509	ug/l	95
23) Vinyl Acetate	3.721	43	1486962	278.650	ug/l	99
24) 1,1-Dichloroethane	3.611	63	217710	52.334	ug/l	99
25) 2-Butanone	4.556	43	481706	261.700	ug/l	99
26) 2,2-Dichloropropane	4.477	77	173166	53.529	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	124392	52.358	ug/l	97
28) Bromochloromethane	4.897	49	115826	53.411	ug/l	95
29) Tetrahydrofuran	5.007	42	309991	265.158	ug/l	98
30) Chloroform	5.092	83	227553	51.939	ug/l	95
31) Cyclohexane	5.477	56	174389	51.362	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	198609	53.470	ug/l	98
36) 1,1-Dichloropropene	5.696	75	162963	51.050	ug/l	97
37) Ethyl Acetate	4.715	43	189998	51.086	ug/l	99
38) Carbon Tetrachloride	5.672	117	163517	52.693	ug/l	94
39) Methylcyclohexane	7.379	83	175512	51.050	ug/l	97
40) Benzene	6.037	78	465642	51.871	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	109544	53.423	ug/l	98
42) 1,2-Dichloroethane	6.086	62	210412	52.029	ug/l	100
43) Isopropyl Acetate	6.336	43	310047	54.472	ug/l	99
44) Trichloroethene	7.123	130	115659	51.558	ug/l	93
45) 1,2-Dichloropropane	7.434	63	125835	52.725	ug/l	100
46) Dibromomethane	7.580	93	89543	52.667	ug/l	99
47) Bromodichloromethane	7.824	83	176283	54.008	ug/l	98
48) Methyl methacrylate	7.690	41	157972	54.096	ug/l	98
49) 1,4-Dioxane	7.696	88	55378	1132.641	ug/l #	99
51) 4-Methyl-2-Pentanone	8.574	43	973525	270.878	ug/l	99
52) Toluene	8.720	92	299436	53.277	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	189354	49.230	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	202108	50.204	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	122978	53.002	ug/l	96
56) Ethyl methacrylate	9.116	69	196272	49.944	ug/l	95
57) 1,3-Dichloropropane	9.311	76	218615	52.963	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	520951	269.663	ug/l	99
59) 2-Hexanone	9.427	43	746112	279.243	ug/l	98
60) Dibromochloromethane	9.525	129	124560	55.001	ug/l	98
61) 1,2-Dibromoethane	9.610	107	130385	53.894	ug/l	99
64) Tetrachloroethene	9.275	164	94899	51.052	ug/l	99
65) Chlorobenzene	10.079	112	316449	51.113	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	115541	54.079	ug/l	99
67) Ethyl Benzene	10.195	91	587192	53.106	ug/l	99
68) m/p-Xylenes	10.299	106	442447	106.061	ug/l	98
69) o-Xylene	10.640	106	219065	53.226	ug/l	98
70) Styrene	10.652	104	371794	54.214	ug/l	98
71) Bromoform	10.799	173	81528	48.862	ug/l #	99
73) Isopropylbenzene	10.963	105	572311	52.121	ug/l	100
74) N-amyl acetate	10.841	43	271473	54.712	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	195890	52.101	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	190798m	51.886	ug/l	
77) Bromobenzene	11.195	156	130265	50.636	ug/l	94
78) n-propylbenzene	11.305	91	677065	52.416	ug/l	98
79) 2-Chlorotoluene	11.366	91	415172	51.100	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	492428	52.667	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	54620	48.326	ug/l	95
82) 4-Chlorotoluene	11.451	91	488053	51.556	ug/l	98
83) tert-Butylbenzene	11.713	119	465283	52.345	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	499188	53.526	ug/l	99
85) sec-Butylbenzene	11.890	105	577585	52.186	ug/l	100
86) p-Isopropyltoluene	12.006	119	493016	52.945	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	249842	50.925	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	252747	51.063	ug/l	99
89) n-Butylbenzene	12.329	91	439334	52.867	ug/l	99
90) Hexachloroethane	12.536	117	77667	47.048	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	250349	51.992	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	45174	54.474	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	137571	50.401	ug/l	99
94) Hexachlorobutadiene	13.725	225	51001	47.266	ug/l	98
95) Naphthalene	13.774	128	501903	53.309	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	138471	50.590	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Reviewed By :John Carlone 06/16/2023
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Abundance

TIC: VX036181.D\data.ms

Time-->

Peak labels (from left to right):

- Dichlorodifluoromethane, T
- Chloromethane, T
- Trichlorofluoromethane, T
- Diethyl Ether, T
- Acetone, T
- Methyl Isobutyl Disulfide, T
- Methyl Ethyl Chloride, T
- Tert-butyl alcohol, T
- Acrylonitrile, T
- 1,1-Dichloroethane, P
- Vinyl Acetate, T
- Disopropyl ether, T
- 2-Butanol, T
- Ethyl Acetate, T
- Bromochloromethane, T
- Chloroform, T
- Pentachlorobenzene, T
- Cyclohexanone, T
- 1,2-Dichloroethane, S
- Isopropyl Acetate, T
- 1,4-Difluorobenzene, I
- Trichloroethylene, TM
- 1,2-Dichlorobenzene, T
- Dibromomethane, T
- Bromochloroethane, T
- cis-1,3-Dichloropropene, T
- 2-Chloroethyl Vinyl ether, T
- 4-Methyl-2-Pentanone, T
- Toluene, CM
- t-1,3-Dichloropropane, T
- 1-Ethylpyrrolidine, T
- 1,3-Dichlorobenzene, T
- Dibromochloromethane, T
- 1,2-Dibromoethane, T
- Chlorobenzene, PM
- Ethyl Benzene, C
- N-amyl acetate, T
- trans-1,4-Dichloro-2-butene, T
- Isopropylbenzene, T
- 2-Chlorotoluene, T
- m/p-Xylenes, T
- sec-Butylbenzene, T
- tert-Butylbenzene, T
- 1,2-Dichlorobenzene, T
- Hexachloroethane, T
- 1,2-Dibromo-3-Chloropropane, T
- Hexachlorobutadiene, T
- 1,2,4-Trichlorobenzene, T
- Naphthalene, T
- 1,2,3-Trichlorobenzene, T