

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110422\
 Data File : VX032589.D
 Acq On : 04 Nov 2022 20:07
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/07/2022
 Supervised By : Mahesh Dadoda 11/07/2022

Quant Time: Nov 05 00:40:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.555	168	119164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	187538	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	173678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83586	50.482	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.960%			
35) Dibromofluoromethane	5.391	113	67823	50.700	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.400%			
50) Toluene-d8	8.652	98	230062	49.459	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.920%			
62) 4-Bromofluorobenzene	11.079	95	95126	52.353	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	75433	54.885	ug/l	99
3) Chloromethane	1.294	50	60787	52.298	ug/l	98
4) Vinyl Chloride	1.373	62	69079	54.002	ug/l	99
5) Bromomethane	1.611	94	41941	41.028	ug/l	97
6) Chloroethane	1.684	64	45090	52.543	ug/l	97
7) Trichlorofluoromethane	1.885	101	124643	51.425	ug/l	100
8) Diethyl Ether	2.135	74	41584	52.942	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.330	101	66816	52.229	ug/l	99
10) Methyl Iodide	2.452	142	59564	42.173	ug/l	99
11) Tert butyl alcohol	2.977	59	58029	240.791	ug/l	100
12) 1,1-Dichloroethene	2.318	96	61670	51.604	ug/l	96
13) Acrolein	2.239	56	69701	289.715	ug/l	98
14) Allyl chloride	2.666	41	99731	52.352	ug/l	97
15) Acrylonitrile	3.062	53	165672	253.306	ug/l	100
16) Acetone	2.379	43	149531	248.477	ug/l	99
17) Carbon Disulfide	2.513	76	122508	43.039	ug/l	100
18) Methyl Acetate	2.702	43	107786	55.079	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	225081	53.587	ug/l	99
20) Methylene Chloride	2.788	84	69537	50.397	ug/l	98
21) trans-1,2-Dichloroethene	3.092	96	65334	50.225	ug/l	96
22) Diisopropyl ether	3.763	45	219274	53.215	ug/l	98
23) Vinyl Acetate	3.720	43	849913	255.302	ug/l	99
24) 1,1-Dichloroethane	3.611	63	124569	52.558	ug/l	99
25) 2-Butanone	4.556	43	226939	243.407	ug/l	100
26) 2,2-Dichloropropane	4.476	77	89034	47.257	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	78681	52.328	ug/l	99
28) Bromochloromethane	4.897	49	40224	47.646	ug/l	98
29) Tetrahydrofuran	5.007	42	144545	243.129	ug/l	99
30) Chloroform	5.098	83	137121	52.724	ug/l	99
31) Cyclohexane	5.476	56	101003	50.311	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	122362	52.431	ug/l	99
36) 1,1-Dichloropropene	5.696	75	95625	51.333	ug/l	99
37) Ethyl Acetate	4.714	43	91279	47.074	ug/l	99
38) Carbon Tetrachloride	5.677	117	104236	50.449	ug/l	97
39) Methylcyclohexane	7.384	83	103213	46.829	ug/l	99
40) Benzene	6.037	78	269488	51.121	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.921	41	53413	54.073	ug/l	96
42) 1,2-Dichloroethane	6.092	62	112987	52.433	ug/l	100
43) Isopropyl Acetate	6.342	43	150540	50.564	ug/l	100
44) Trichloroethene	7.128	130	74643	50.299	ug/l	95
45) 1,2-Dichloropropane	7.433	63	70121	51.818	ug/l	97
46) Dibromomethane	7.586	93	52053	50.157	ug/l	100
47) Bromodichloromethane	7.823	83	100265	50.976	ug/l	99
48) Methyl methacrylate	7.695	41	77617	50.478	ug/l	99
49) 1,4-Dioxane	7.683	88	26531	905.391	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	471003	251.163	ug/l	99
52) Toluene	8.720	92	177368	51.571	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	102866	51.258	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	111460	51.927	ug/l	95
55) 1,1,2-Trichloroethane	9.152	97	73983	51.077	ug/l	99
56) Ethyl methacrylate	9.116	69	112306	53.879	ug/l	98
57) 1,3-Dichloropropane	9.311	76	120805	51.647	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	264822	263.856	ug/l	100
59) 2-Hexanone	9.433	43	351243	252.423	ug/l	100
60) Dibromochloromethane	9.524	129	78003	49.305	ug/l	99
61) 1,2-Dibromoethane	9.610	107	80366	52.365	ug/l	98
64) Tetrachloroethene	9.274	164	62555	49.209	ug/l	96
65) Chlorobenzene	10.079	112	196810	50.588	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	74240	50.703	ug/l	99
67) Ethyl Benzene	10.195	91	357396	51.372	ug/l	99
68) m/p-Xylenes	10.305	106	275999	102.166	ug/l	99
69) o-Xylene	10.640	106	137370	52.300	ug/l	98
70) Styrene	10.658	104	229001	52.461	ug/l	100
71) Bromoform	10.798	173	55374	47.832	ug/l #	100
73) Isopropylbenzene	10.963	105	365181	49.269	ug/l	100
74) N-amyl acetate	10.841	43	140320	50.105	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	113294	47.620	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	100743m	48.412	ug/l	
77) Bromobenzene	11.201	156	89904	49.476	ug/l	99
78) n-propylbenzene	11.304	91	423192	49.556	ug/l	99
79) 2-Chlorotoluene	11.365	91	252970	49.464	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	316430	49.952	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	29258	44.739	ug/l	97
82) 4-Chlorotoluene	11.457	91	301343	50.356	ug/l	99
83) tert-Butylbenzene	11.713	119	310956	49.168	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	317060	50.323	ug/l	100
85) sec-Butylbenzene	11.890	105	375880	49.393	ug/l	100
86) p-Isopropyltoluene	12.012	119	321018	49.714	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	171480	50.028	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	173088	48.675	ug/l	99
89) n-Butylbenzene	12.335	91	280211	49.880	ug/l	100
90) Hexachloroethane	12.542	117	47854	45.371	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	168626	49.892	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.944	75	22824	43.754	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	106268	48.222	ug/l	99
94) Hexachlorobutadiene	13.725	225	41187	44.750	ug/l	98
95) Naphthalene	13.774	128	354040	48.214	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	106322	47.462	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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