

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102622\
 Data File : VX032418.D
 Acq On : 26 Oct 2022 20:34
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 09:09:10 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	5.556	168	114974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	187033	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	171769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90352	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	80658	50.489	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.980%			
35) Dibromofluoromethane	5.391	113	64950	48.684	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.360%			
50) Toluene-d8	8.653	98	230166	49.615	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.220%			
62) 4-Bromofluorobenzene	11.079	95	90243	49.800	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	71745	54.104	ug/l	96
3) Chloromethane	1.294	50	61181	54.556	ug/l	99
4) Vinyl Chloride	1.374	62	67267	54.502	ug/l	99
5) Bromomethane	1.605	94	54445	55.201	ug/l	99
6) Chloroethane	1.685	64	41902	50.607	ug/l	99
7) Trichlorofluoromethane	1.886	101	120806	51.658	ug/l	99
8) Diethyl Ether	2.136	74	39569	52.213	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	63405	51.369	ug/l	99
10) Methyl Iodide	2.453	142	70186	51.080	ug/l	99
11) Tert butyl alcohol	2.971	59	60762	261.320	ug/l	99
12) 1,1-Dichloroethene	2.319	96	58748	50.951	ug/l	97
13) Acrolein	2.233	56	62389	268.773	ug/l	99
14) Allyl chloride	2.666	41	94730	51.539	ug/l	99
15) Acrylonitrile	3.062	53	163934	259.783	ug/l	100
16) Acetone	2.380	43	146603	252.490	ug/l	99
17) Carbon Disulfide	2.514	76	146790	53.449	ug/l	100
18) Methyl Acetate	2.703	43	99799	52.856	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	204919	50.565	ug/l	100
20) Methylene Chloride	2.788	84	65872	49.480	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	63530	50.618	ug/l	99
22) Diisopropyl ether	3.763	45	199129	50.087	ug/l	97
23) Vinyl Acetate	3.721	43	829711	258.316	ug/l	100
24) 1,1-Dichloroethane	3.611	63	116323	50.868	ug/l	99
25) 2-Butanone	4.556	43	229778	255.434	ug/l	99
26) 2,2-Dichloropropane	4.477	77	83974	46.195	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	75310	51.912	ug/l	99
28) Bromochloromethane	4.897	49	40566	49.802	ug/l	98
29) Tetrahydrofuran	5.007	42	150472	262.322	ug/l	100
30) Chloroform	5.099	83	127324	50.742	ug/l	98
31) Cyclohexane	5.470	56	99026	51.124	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	116476	51.727	ug/l	99
36) 1,1-Dichloropropene	5.696	75	92516	49.798	ug/l	99
37) Ethyl Acetate	4.715	43	94574	48.905	ug/l	98
38) Carbon Tetrachloride	5.684	117	103260	50.112	ug/l	96
39) Methylcyclohexane	7.385	83	111091	50.539	ug/l	98
40) Benzene	6.044	78	259730	49.403	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	52191	52.979	ug/l	97
42) 1,2-Dichloroethane	6.092	62	108102	50.301	ug/l	100
43) Isopropyl Acetate	6.342	43	149207	50.251	ug/l	99
44) Trichloroethene	7.129	130	71092	48.036	ug/l	95
45) 1,2-Dichloropropane	7.434	63	66583	49.337	ug/l	97
46) Dibromomethane	7.586	93	50412	48.707	ug/l	99
47) Bromodichloromethane	7.824	83	98908	50.422	ug/l	99
48) Methyl methacrylate	7.696	41	76575	49.935	ug/l	99
49) 1,4-Dioxane	7.677	88	32208	1102.090	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	477494	255.312	ug/l	100
52) Toluene	8.720	92	170991	49.851	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	101817	50.872	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	107404	50.173	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	70485	48.794	ug/l	99
56) Ethyl methacrylate	9.116	69	105989	50.986	ug/l	100
57) 1,3-Dichloropropane	9.311	76	115919	49.692	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	257752	257.505	ug/l	100
59) 2-Hexanone	9.433	43	361946	260.817	ug/l	100
60) Dibromochloromethane	9.525	129	78999	50.069	ug/l	99
61) 1,2-Dibromoethane	9.610	107	75453	49.296	ug/l	99
64) Tetrachloroethene	9.275	164	60155	47.847	ug/l	96
65) Chlorobenzene	10.079	112	186964	48.591	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	71588	49.435	ug/l	99
67) Ethyl Benzene	10.195	91	340767	49.526	ug/l	99
68) m/p-Xylenes	10.305	106	264977	99.176	ug/l	100
69) o-Xylene	10.646	106	129461	49.837	ug/l	100
70) Styrene	10.659	104	216555	50.161	ug/l	100
71) Bromoform	10.805	173	57082	49.855	ug/l #	99
73) Isopropylbenzene	10.963	105	349269	48.783	ug/l	99
74) N-amyl acetate	10.841	43	137352	50.773	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	111051	48.322	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	99276m	49.388	ug/l	
77) Bromobenzene	11.201	156	85148	48.510	ug/l	99
78) n-propylbenzene	11.305	91	399656	48.450	ug/l	100
79) 2-Chlorotoluene	11.366	91	239023	48.384	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	303231	49.555	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	30242	47.873	ug/l	95
82) 4-Chlorotoluene	11.457	91	283216	48.994	ug/l	100
83) tert-Butylbenzene	11.719	119	298587	48.876	ug/l	100
84) 1,2,4-Trimethylbenzene	11.756	105	301529	49.544	ug/l	100
85) sec-Butylbenzene	11.890	105	368813	50.173	ug/l	100
86) p-Isopropyltoluene	12.012	119	312734	50.138	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	160456	48.461	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	163794	47.685	ug/l	99
89) n-Butylbenzene	12.335	91	273061	50.320	ug/l	99
90) Hexachloroethane	12.542	117	51436	50.486	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	159888	48.974	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	25289	50.188	ug/l	99
93) 1,2,4-Trichlorobenzene	13.591	180	101017	47.454	ug/l	99
94) Hexachlorobutadiene	13.725	225	40726	45.809	ug/l	99
95) Naphthalene	13.774	128	346557	48.858	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	100635	46.506	ug/l	98

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

