

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
 Data File : VX036199.D
 Acq On : 19 Jun 2023 12:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2023
 Supervised By : Mahesh Dadoda 06/20/2023

Quant Time: Jun 20 03:39:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 16 16:28:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	180684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	311228	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	276714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	134998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	158996	48.153	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.300%		
35) Dibromofluoromethane	5.379	113	105774	50.118	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.240%		
50) Toluene-d8	8.647	98	372293	48.225	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.440%		
62) 4-Bromofluorobenzene	11.079	95	154971	49.730	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	107985	48.690	ug/l	99
3) Chloromethane	1.294	50	110084	46.914	ug/l	97
4) Vinyl Chloride	1.374	62	106944	47.841	ug/l	99
5) Bromomethane	1.617	94	63325	46.084	ug/l	100
6) Chloroethane	1.691	64	69230	47.864	ug/l	98
7) Trichlorofluoromethane	1.886	101	181006	50.035	ug/l	98
8) Diethyl Ether	2.130	74	62193	46.188	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	105980	51.371	ug/l	97
10) Methyl Iodide	2.453	142	109571	51.510	ug/l	99
11) Tert butyl alcohol	2.989	59	120933m	239.570	ug/l	
12) 1,1-Dichloroethene	2.319	96	95076	48.736	ug/l	99
13) Acrolein	2.239	56	125312	223.540	ug/l	99
14) Allyl chloride	2.660	41	190584	48.282	ug/l	97
15) Acrylonitrile	3.062	53	296118	229.315	ug/l	98
16) Acetone	2.386	43	301984	220.133	ug/l	100
17) Carbon Disulfide	2.514	76	236034	48.949	ug/l	100
18) Methyl Acetate	2.703	43	240736	46.270	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	364399	47.715	ug/l	100
20) Methylene Chloride	2.788	84	110925	44.630	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	106584	49.174	ug/l	97
22) Diisopropyl ether	3.757	45	378666	48.207	ug/l	90
23) Vinyl Acetate	3.721	43	1373958	246.799	ug/l	100
24) 1,1-Dichloroethane	3.605	63	208721	48.093	ug/l	100
25) 2-Butanone	4.556	43	443429	230.888	ug/l	100
26) 2,2-Dichloropropane	4.471	77	169716	50.288	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	118621	47.859	ug/l	95
28) Bromochloromethane	4.897	49	111249	49.174	ug/l	96
29) Tetrahydrofuran	5.001	42	284917	233.587	ug/l	98
30) Chloroform	5.092	83	222281	48.632	ug/l	100
31) Cyclohexane	5.464	56	178045	50.264	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	195832	50.536	ug/l	98
36) 1,1-Dichloropropene	5.690	75	160414	51.599	ug/l	98
37) Ethyl Acetate	4.708	43	170638	47.111	ug/l	99
38) Carbon Tetrachloride	5.672	117	162857	53.888	ug/l	98
39) Methylcyclohexane	7.379	83	179871	53.721	ug/l	95
40) Benzene	6.031	78	436614	49.942	ug/l	100

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41) Methacrylonitrile	4.916	41	98002	49.076	ug/l	98
42) 1,2-Dichloroethane	6.080	62	199330	50.611	ug/l	99
43) Isopropyl Acetate	6.336	43	273877	49.408	ug/l	98
44) Trichloroethene	7.123	130	110067	50.382	ug/l	95
45) 1,2-Dichloropropane	7.427	63	115526	49.704	ug/l	99
46) Dibromomethane	7.580	93	83680	50.539	ug/l	97
47) Bromodichloromethane	7.818	83	164648	51.796	ug/l	97
48) Methyl methacrylate	7.690	41	141666	49.813	ug/l	98
49) 1,4-Dioxane	7.702	88	53536	1124.337	ug/l #	97
51) 4-Methyl-2-Pentanone	8.574	43	856639	244.748	ug/l	98
52) Toluene	8.714	92	272078	49.707	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	170132	51.961	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	184181	52.456	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	109346	48.391	ug/l	98
56) Ethyl methacrylate	9.116	69	171322	50.190	ug/l	91
57) 1,3-Dichloropropane	9.305	76	195509	48.635	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	460571	244.803	ug/l	98
59) 2-Hexanone	9.427	43	660318	253.762	ug/l	96
60) Dibromochloromethane	9.518	129	114625	51.972	ug/l	99
61) 1,2-Dibromoethane	9.610	107	116689	49.527	ug/l	98
64) Tetrachloroethene	9.269	164	88712	51.528	ug/l	96
65) Chlorobenzene	10.079	112	283576	49.455	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	106604	53.874	ug/l	99
67) Ethyl Benzene	10.195	91	539957	52.728	ug/l	99
68) m/p-Xylenes	10.299	106	401055	103.803	ug/l	96
69) o-Xylene	10.640	106	195504	51.288	ug/l	95
70) Styrene	10.652	104	329211	51.832	ug/l	98
71) Bromoform	10.799	173	72803	53.442	ug/l #	99
73) Isopropylbenzene	10.963	105	522352	52.146	ug/l	100
74) N-amyl acetate	10.841	43	240801	53.197	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	174951	51.007	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	152081m	47.468	ug/l	
77) Bromobenzene	11.195	156	116076	49.459	ug/l	93
78) n-propylbenzene	11.305	91	631021	53.549	ug/l	98
79) 2-Chlorotoluene	11.360	91	382617	51.622	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	453019	53.111	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	47543	51.940	ug/l	90
82) 4-Chlorotoluene	11.451	91	455489	52.743	ug/l	97
83) tert-Butylbenzene	11.713	119	422043	52.046	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	453457	53.298	ug/l	100
85) sec-Butylbenzene	11.890	105	541955	53.675	ug/l	100
86) p-Isopropyltoluene	12.006	119	452625	53.282	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	227639	50.861	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	229334	50.023	ug/l	98
89) n-Butylbenzene	12.329	91	418745	55.235	ug/l	99
90) Hexachloroethane	12.536	117	73356	55.051	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	226290	51.514	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	40227	53.173	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	132065	53.036	ug/l	98
94) Hexachlorobutadiene	13.725	225	52257	53.086	ug/l	99
95) Naphthalene	13.774	128	453397	52.787	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	129710	51.946	ug/l	98

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

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