

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040222\
 Data File : VX027945.D
 Acq On : 02 Apr 2022 19:48
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/04/2022
 Supervised By : Mahesh Dadoda 04/04/2022

Quant Time: Apr 04 04:19:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 04:39:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	62097	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	105434	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	96984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	48471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	44780	55.890	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.780%			
35) Dibromofluoromethane	5.391	113	34623	50.875	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.740%			
50) Toluene-d8	8.653	98	118629	49.543	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.080%			
62) 4-Bromofluorobenzene	11.079	95	46963	46.152	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.300%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	27533	48.931	ug/l	97
3) Chloromethane	1.288	50	23414	47.089	ug/l	100
4) Vinyl Chloride	1.374	62	24676	48.389	ug/l	97
5) Bromomethane	1.599	94	7381	32.100	ug/l	98
6) Chloroethane	1.678	64	16274	47.342	ug/l	97
7) Trichlorofluoromethane	1.886	101	43846	49.014	ug/l	97
8) Diethyl Ether	2.130	74	17767	55.332	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.331	101	29967	51.538	ug/l	95
10) Methyl Iodide	2.453	142	21641	32.049	ug/l	# 90
11) Tert butyl alcohol	2.965	59	42013	272.981	ug/l	99
12) 1,1-Dichloroethene	2.319	96	26032	48.795	ug/l	93
13) Acrolein	2.233	56	34718	301.191	ug/l	94
14) Allyl chloride	2.666	41	50105	51.155	ug/l	# 90
15) Acrylonitrile	3.062	53	105660	292.380	ug/l	99
16) Acetone	2.380	43	95617	269.653	ug/l	89
17) Carbon Disulfide	2.514	76	42933	39.339	ug/l	100
18) Methyl Acetate	2.703	43	47329	54.145	ug/l	# 89
19) Methyl tert-butyl Ether	3.111	73	114848	56.503	ug/l	99
20) Methylene Chloride	2.788	84	32569	51.064	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	27465	47.431	ug/l	92
22) Diisopropyl ether	3.757	45	112816	57.472	ug/l	# 76
23) Vinyl Acetate	3.721	43	492580	290.447	ug/l	# 92
24) 1,1-Dichloroethane	3.611	63	59443	53.828	ug/l	97
25) 2-Butanone	4.556	43	152787	296.122	ug/l	90
26) 2,2-Dichloropropane	4.471	77	42182	47.825	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	36699	52.558	ug/l	95
28) Bromochloromethane	4.904	49	26109	54.966	ug/l	87
29) Tetrahydrofuran	5.007	42	97389	293.846	ug/l	86
30) Chloroform	5.092	83	68567	55.854	ug/l	97
31) Cyclohexane	5.470	56	43417	49.021	ug/l	87
32) 1,1,1-Trichloroethane	5.385	97	57647	54.286	ug/l	98
36) 1,1-Dichloropropene	5.696	75	42575	49.670	ug/l	98
37) Ethyl Acetate	4.715	43	56175	52.865	ug/l	97
38) Carbon Tetrachloride	5.684	117	48009	50.696	ug/l	95
39) Methylcyclohexane	7.385	83	44754	44.370	ug/l	88
40) Benzene	6.044	78	126246	48.601	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	31573	55.861	ug/l	91
42) 1,2-Dichloroethane	6.092	62	53814	51.846	ug/l	94
43) Isopropyl Acetate	6.342	43	89991	52.874	ug/l #	92
44) Trichloroethene	7.129	130	33966	48.116	ug/l	87
45) 1,2-Dichloropropane	7.434	63	35327	50.624	ug/l	98
46) Dibromomethane	7.586	93	25661	48.860	ug/l	90
47) Bromodichloromethane	7.824	83	50905	48.666	ug/l	99
48) Methyl methacrylate	7.696	41	44400	49.743	ug/l #	83
49) 1,4-Dioxane	7.659	88	17400	987.516	ug/l #	88
51) 4-Methyl-2-Pentanone	8.574	43	307421	260.376	ug/l	90
52) Toluene	8.720	92	81854	50.027	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	49835	47.538	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	54306	49.195	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	37718	51.974	ug/l	98
56) Ethyl methacrylate	9.116	69	59618	51.871	ug/l #	78
57) 1,3-Dichloropropane	9.311	76	59242	48.509	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	153365	267.268	ug/l	96
59) 2-Hexanone	9.433	43	219500	241.445	ug/l	88
60) Dibromochloromethane	9.525	129	37868	50.325	ug/l	99
61) 1,2-Dibromoethane	9.610	107	37201	49.059	ug/l	100
64) Tetrachloroethene	9.275	164	31554	47.985	ug/l	95
65) Chlorobenzene	10.079	112	87614	45.875	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	34353	47.934	ug/l	97
67) Ethyl Benzene	10.195	91	158244	45.659	ug/l	99
68) m/p-Xylenes	10.305	106	121246	95.119	ug/l	99
69) o-Xylene	10.646	106	59735	47.979	ug/l	98
70) Styrene	10.659	104	101505	47.967	ug/l	97
71) Bromoform	10.799	173	26290	45.973	ug/l #	99
73) Isopropylbenzene	10.963	105	159516	44.200	ug/l	99
74) N-amyl acetate	10.841	43	62149	38.231	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.213	83	61316	50.034	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	55406m	48.728	ug/l	
77) Bromobenzene	11.201	156	41325	50.225	ug/l	94
78) n-propylbenzene	11.305	91	198005	45.924	ug/l	99
79) 2-Chlorotoluene	11.366	91	125272	46.233	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	148144	47.307	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	12027	33.073	ug/l #	86
82) 4-Chlorotoluene	11.457	91	144780	46.562	ug/l	96
83) tert-Butylbenzene	11.719	119	144565	47.740	ug/l	89
84) 1,2,4-Trimethylbenzene	11.756	105	152080	48.705	ug/l	96
85) sec-Butylbenzene	11.890	105	182154	48.744	ug/l	98
86) p-Isopropyltoluene	12.012	119	152660	49.112	ug/l	95
87) 1,3-Dichlorobenzene	11.969	146	78119	48.232	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	78548	47.077	ug/l	96
89) n-Butylbenzene	12.335	91	134888	48.260	ug/l	96
90) Hexachloroethane	12.542	117	23125	46.325	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	77537	48.465	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	12.945	75	14734	49.943	ug/l	80
93) 1,2,4-Trichlorobenzene	13.591	180	47666	48.719	ug/l	97
94) Hexachlorobutadiene	13.725	225	21618	50.006	ug/l	92
95) Naphthalene	13.780	128	176845	51.768	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	48795	50.909	ug/l	94

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

