

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092922\
 Data File : VX031762.D
 Acq On : 29 Sep 2022 09:07
 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 09/30/2022
 Supervised By : Mahesh Dadoda 10/06/2022

Quant Time: Sep 30 04:26:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	78704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	115976	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	138035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114821	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75661	45.295	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.580%		
35) Dibromofluoromethane	5.379	113	68961	49.904	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.800%		
50) Toluene-d8	8.647	98	253519	50.604	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.200%		
62) 4-Bromofluorobenzene	11.079	95	101182	55.104	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.200%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	45330	47.325	ug/l	97
3) Chloromethane	1.288	50	42426	50.183	ug/l	97
4) Vinyl Chloride	1.368	62	58599	44.454	ug/l	98
5) Bromomethane	1.611	94	50912	42.145	ug/l	99
6) Chloroethane	1.685	64	65504	41.564	ug/l	99
7) Trichlorofluoromethane	1.886	101	139470	42.869	ug/l	99
8) Diethyl Ether	2.130	74	45251	48.844	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.325	101	58580	55.994	ug/l	92
10) Methyl Iodide	2.447	142	48634	47.426	ug/l	97
11) Tert butyl alcohol	2.995	59	56588	265.535	ug/l	96
12) 1,1-Dichloroethene	2.319	96	49471	62.258	ug/l	83
13) Acrolein	2.239	56	22478	222.088	ug/l	100
14) Allyl chloride	2.660	41	67754	49.223	ug/l #	93
15) Acrylonitrile	3.062	53	136719	235.834	ug/l	99
16) Acetone	2.386	43	113978	298.368	ug/l	99
17) Carbon Disulfide	2.508	76	94524	54.011	ug/l	100
18) Methyl Acetate	2.703	43	70818	47.178	ug/l #	87
19) Methyl tert-butyl Ether	3.111	73	192766	51.884	ug/l	95
20) Methylene Chloride	2.788	84	59865	56.906	ug/l #	82
21) trans-1,2-Dichloroethene	3.087	96	57233	49.485	ug/l	91
22) Diisopropyl ether	3.757	45	165835	46.812	ug/l #	94
23) Vinyl Acetate	3.721	43	668176	238.491	ug/l #	89
24) 1,1-Dichloroethane	3.605	63	102749	50.309	ug/l	98
25) 2-Butanone	4.556	43	184738	231.695	ug/l	92
26) 2,2-Dichloropropane	4.471	77	90945	54.863	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	74538	52.622	ug/l	85
28) Bromochloromethane	4.891	49	42455	44.437	ug/l #	67
29) Tetrahydrofuran	5.007	42	114024	227.645	ug/l #	81
30) Chloroform	5.086	83	129993	51.739	ug/l	96
31) Cyclohexane	5.470	56	78666	49.529	ug/l	85
32) 1,1,1-Trichloroethane	5.379	97	115690	55.595	ug/l	97
36) 1,1-Dichloropropene	5.690	75	85669	53.982	ug/l	97
37) Ethyl Acetate	4.714	43	73751	46.073	ug/l	95
38) Carbon Tetrachloride	5.672	117	102256	57.174	ug/l	97
39) Methylcyclohexane	7.379	83	100099	55.359	ug/l	90
40) Benzene	6.037	78	251558	51.611	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	39119	48.027	ug/l #	91
42) 1,2-Dichloroethane	6.086	62	94169	49.956	ug/l	96
43) Isopropyl Acetate	6.336	43	120767	47.935	ug/l #	93
44) Trichloroethene	7.123	130	78219	56.816	ug/l	90
45) 1,2-Dichloropropane	7.427	63	60633	51.257	ug/l	94
46) Dibromomethane	7.580	93	51799	54.525	ug/l	92
47) Bromodichloromethane	7.818	83	98124	57.238	ug/l	95
48) Methyl methacrylate	7.690	41	57316	51.730	ug/l #	86
49) 1,4-Dioxane	7.696	88	31463	1174.471	ug/l #	86
51) 4-Methyl-2-Pentanone	8.574	43	390304	244.752	ug/l	92
52) Toluene	8.714	92	181436	55.844	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	100656	50.807	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	104891	58.876	ug/l #	89
55) 1,1,2-Trichloroethane	9.153	97	76093	54.397	ug/l	98
56) Ethyl methacrylate	9.116	69	101283	56.591	ug/l	87
57) 1,3-Dichloropropane	9.305	76	119586	53.981	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	238570	270.707	ug/l #	87
59) 2-Hexanone	9.433	43	296699	249.366	ug/l	90
60) Dibromochloromethane	9.518	129	87450	53.433	ug/l	100
61) 1,2-Dibromoethane	9.610	107	83791	59.009	ug/l	97
64) Tetrachloroethene	9.275	164	83507	56.599	ug/l	98
65) Chlorobenzene	10.079	112	210317	54.691	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	82486	59.614	ug/l	98
67) Ethyl Benzene	10.195	91	358405	54.787	ug/l	96
68) m/p-Xylenes	10.299	106	302892	115.236	ug/l	93
69) o-Xylene	10.640	106	148461	57.786	ug/l	92
70) Styrene	10.652	104	250067	59.796	ug/l	95
71) Bromoform	10.799	173	62323	52.308	ug/l #	100
73) Isopropylbenzene	10.963	105	391949	52.784	ug/l	98
74) N-amyl acetate	10.841	43	112981	46.906	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.213	83	112452	47.661	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	101177m	48.606	ug/l	
77) Bromobenzene	11.201	156	101669	53.859	ug/l	87
78) n-propylbenzene	11.305	91	440642	53.327	ug/l	96
79) 2-Chlorotoluene	11.366	91	262651	51.475	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	348791	55.412	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	29043	47.621	ug/l	96
82) 4-Chlorotoluene	11.457	91	315655	53.548	ug/l	95
83) tert-Butylbenzene	11.713	119	339401	55.914	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	342599	54.987	ug/l	96
85) sec-Butylbenzene	11.890	105	427917	55.471	ug/l	98
86) p-Isopropyltoluene	12.012	119	381835	57.399	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	202265	55.271	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	210067	54.840	ug/l	98
89) n-Butylbenzene	12.335	91	304039	55.949	ug/l	97
90) Hexachloroethane	12.536	117	59504	55.782	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	204381	55.769	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	24194	51.174	ug/l	75
93) 1,2,4-Trichlorobenzene	13.591	180	125590	58.601	ug/l	97
94) Hexachlorobutadiene	13.725	225	48724	58.304	ug/l	99
95) Naphthalene	13.774	128	416622	58.198	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	125659	57.131	ug/l	99

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

