

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120222\
 Data File : VX033175.D
 Acq On : 02 Dec 2022 11:03
 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 12/05/2022
 Supervised By : Mahesh Dadoda 12/05/2022

Quant Time: Dec 03 04:26:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	133224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	209783	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	194567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102930	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59913	45.757	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.520%		
35) Dibromofluoromethane	5.385	113	52668	44.533	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.060%		
50) Toluene-d8	8.647	98	157912	44.123	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	88.240%#		
62) 4-Bromofluorobenzene	11.079	95	73713	47.447	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.900%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	44451	43.673	ug/l	98
3) Chloromethane	1.295	50	46836	42.625	ug/l	100
4) Vinyl Chloride	1.374	62	56173	45.914	ug/l	99
5) Bromomethane	1.618	94	44147	48.661	ug/l	99
6) Chloroethane	1.691	64	49632	49.831	ug/l	97
7) Trichlorofluoromethane	1.886	101	122100	51.421	ug/l	99
8) Diethyl Ether	2.130	74	39594	52.964	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	65138	52.192	ug/l	99
10) Methyl Iodide	2.453	142	62194	43.531	ug/l	100
11) Tert butyl alcohol	2.995	59	55247m	268.628	ug/l	
12) 1,1-Dichloroethene	2.319	96	59495	51.174	ug/l	95
13) Acrolein	2.240	56	75800	320.866	ug/l	99
14) Allyl chloride	2.666	41	95095	50.664	ug/l	99
15) Acrylonitrile	3.063	53	151678	260.743	ug/l	99
16) Acetone	2.386	43	158111	260.947	ug/l	98
17) Carbon Disulfide	2.514	76	135752	42.264	ug/l	100
18) Methyl Acetate	2.703	43	87693	52.284	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	218700	54.241	ug/l	100
20) Methylene Chloride	2.788	84	66244	52.611	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	66121	49.719	ug/l	99
22) Diisopropyl ether	3.758	45	225517	55.179	ug/l	95
23) Vinyl Acetate	3.721	43	863611	269.946	ug/l	100
24) 1,1-Dichloroethane	3.611	63	121186	51.816	ug/l	100
25) 2-Butanone	4.562	43	223880	267.959	ug/l	97
26) 2,2-Dichloropropane	4.471	77	103820	55.208	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	79564	52.656	ug/l	98
28) Bromochloromethane	4.898	49	50590	49.229	ug/l	99
29) Tetrahydrofuran	5.007	42	137322	259.020	ug/l	99
30) Chloroform	5.093	83	141813	54.139	ug/l	97
31) Cyclohexane	5.471	56	106584	50.701	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	127660	54.420	ug/l	100
36) 1,1-Dichloropropene	5.690	75	99444	52.586	ug/l	99
37) Ethyl Acetate	4.709	43	86847	52.640	ug/l	99
38) Carbon Tetrachloride	5.678	117	112742	53.742	ug/l	99
39) Methylcyclohexane	7.379	83	113788	52.737	ug/l	98
40) Benzene	6.038	78	278531	52.532	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	50007	53.868	ug/l	97
42) 1,2-Dichloroethane	6.086	62	115247	53.985	ug/l	99
43) Isopropyl Acetate	6.336	43	147441	54.037	ug/l	99
44) Trichloroethene	7.123	130	78462	52.737	ug/l	95
45) 1,2-Dichloropropane	7.428	63	72290	55.170	ug/l	99
46) Dibromomethane	7.580	93	52929	51.769	ug/l	99
47) Bromodichloromethane	7.818	83	110342	55.852	ug/l	99
48) Methyl methacrylate	7.690	41	74819	53.272	ug/l	98
49) 1,4-Dioxane	7.708	88	28820	1114.754	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	461983	274.390	ug/l	99
52) Toluene	8.714	92	188570	54.059	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	114129	53.651	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	120736	56.689	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	78026	54.941	ug/l	99
56) Ethyl methacrylate	9.116	69	112568	57.528	ug/l	97
57) 1,3-Dichloropropane	9.305	76	126306	55.091	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	242684	261.180	ug/l	100
59) 2-Hexanone	9.427	43	347654	279.520	ug/l	99
60) Dibromochloromethane	9.519	129	87345	57.125	ug/l	100
61) 1,2-Dibromoethane	9.610	107	81916	54.647	ug/l	98
64) Tetrachloroethene	9.275	164	69263	50.292	ug/l	96
65) Chlorobenzene	10.080	112	208057	53.635	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	80339	56.523	ug/l	99
67) Ethyl Benzene	10.195	91	377834	54.909	ug/l	98
68) m/p-Xylenes	10.299	106	297069	110.247	ug/l	98
69) o-Xylene	10.640	106	142857	54.793	ug/l	99
70) Styrene	10.653	104	242918	56.952	ug/l	99
71) Bromoform	10.799	173	62079	56.965	ug/l #	99
73) Isopropylbenzene	10.964	105	390996	53.159	ug/l	100
74) N-amyl acetate	10.842	43	135815	54.280	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	115314	51.944	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	106447m	54.607	ug/l	
77) Bromobenzene	11.195	156	94115	52.028	ug/l	98
78) n-propylbenzene	11.305	91	453900	53.974	ug/l	100
79) 2-Chlorotoluene	11.366	91	269206	52.707	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	333991	54.053	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	32744	54.600	ug/l	99
82) 4-Chlorotoluene	11.451	91	316418	52.865	ug/l	99
83) tert-Butylbenzene	11.713	119	325129	52.861	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	330371	53.622	ug/l	100
85) sec-Butylbenzene	11.890	105	402291	54.671	ug/l	100
86) p-Isopropyltoluene	12.012	119	343164	55.044	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	179102	52.788	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	180777	52.025	ug/l	99
89) n-Butylbenzene	12.329	91	298375	55.555	ug/l	100
90) Hexachloroethane	12.536	117	57097	55.745	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	174040	52.731	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	24263	54.779	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	109650	53.895	ug/l	100
94) Hexachlorobutadiene	13.725	225	45957	51.201	ug/l	99
95) Naphthalene	13.774	128	355662	54.037	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	108432	53.147	ug/l	99

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

