

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120822\
 Data File : VX033309.D
 Acq On : 08 Dec 2022 09:29
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/09/2022
 Supervised By : Mahesh Dadoda 12/09/2022

Quant Time: Dec 09 00:41:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	172637	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	271205	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	250412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	49141	44.370	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	88.740%		
35) Dibromofluoromethane	5.385	113	55041	45.122	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.240%		
50) Toluene-d8	8.647	98	122248	47.906	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.820%		
62) 4-Bromofluorobenzene	11.079	95	97549	49.996	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	55914	46.365	ug/l	96
3) Chloromethane	1.294	50	57721	41.396	ug/l	99
4) Vinyl Chloride	1.374	62	68683	43.140	ug/l	100
5) Bromomethane	1.618	94	46646	39.924	ug/l	97
6) Chloroethane	1.691	64	52568	43.530	ug/l	98
7) Trichlorofluoromethane	1.886	101	138235	46.248	ug/l	100
8) Diethyl Ether	2.130	74	46583	43.148	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	77135	48.649	ug/l	99
10) Methyl Iodide	2.453	142	74671	43.000	ug/l	99
11) Tert butyl alcohol	3.020	59	68338m	201.821	ug/l	
12) 1,1-Dichloroethene	2.319	96	72114	46.076	ug/l	95
13) Acrolein	2.239	56	76223	207.558	ug/l	100
14) Allyl chloride	2.666	41	112505	45.013	ug/l	97
15) Acrylonitrile	3.068	53	173886	207.310	ug/l	99
16) Acetone	2.398	43	191975	234.248	ug/l	99
17) Carbon Disulfide	2.514	76	178664	44.478	ug/l	99
18) Methyl Acetate	2.709	43	100166	42.220	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	246959	45.554	ug/l	98
20) Methylene Chloride	2.788	84	79514	43.505	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	78787	46.019	ug/l	98
22) Diisopropyl ether	3.757	45	251244	46.918	ug/l	95
23) Vinyl Acetate	3.721	43	948400	228.181	ug/l	99
24) 1,1-Dichloroethane	3.611	63	140906	44.784	ug/l	100
25) 2-Butanone	4.562	43	260952	221.826	ug/l	99
26) 2,2-Dichloropropane	4.477	77	113079	48.871	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	94609	46.239	ug/l	98
28) Bromochloromethane	4.897	49	63752	48.404	ug/l	95
29) Tetrahydrofuran	5.007	42	157956	207.242	ug/l	97
30) Chloroform	5.093	83	160095	45.833	ug/l	99
31) Cyclohexane	5.470	56	127486	48.435	ug/l	92
32) 1,1,1-Trichloroethane	5.379	97	143231	47.659	ug/l	99
36) 1,1-Dichloropropene	5.690	75	116379	48.935	ug/l	99
37) Ethyl Acetate	4.708	43	98202	43.682	ug/l	99
38) Carbon Tetrachloride	5.678	117	128427	48.197	ug/l	97
39) Methylcyclohexane	7.379	83	138222	51.924	ug/l	99
40) Benzene	6.037	78	329183	47.472	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	57952	46.780	ug/l	96
42) 1,2-Dichloroethane	6.086	62	129509	47.033	ug/l	99
43) Isopropyl Acetate	6.336	43	164193	45.392	ug/l	98
44) Trichloroethene	7.123	130	92698	48.486	ug/l	99
45) 1,2-Dichloropropane	7.427	63	83747	47.225	ug/l	98
46) Dibromomethane	7.580	93	62024	45.912	ug/l	98
47) Bromodichloromethane	7.818	83	126117	47.892	ug/l	98
48) Methyl methacrylate	7.690	41	83962	44.975	ug/l	95
49) 1,4-Dioxane	7.708	88	37576	882.675	ug/l #	64
51) 4-Methyl-2-Pentanone	8.574	43	516492	225.789	ug/l	97
52) Toluene	8.720	92	220884	49.268	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	127185	45.211	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	136857	48.839	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	89998	47.754	ug/l	98
56) Ethyl methacrylate	9.116	69	127547	48.068	ug/l	93
57) 1,3-Dichloropropane	9.305	76	143604	47.433	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	290176	239.001	ug/l	100
59) 2-Hexanone	9.433	43	387579	229.918	ug/l	95
60) Dibromochloromethane	9.519	129	100139	48.227	ug/l	99
61) 1,2-Dibromoethane	9.610	107	95354	47.567	ug/l	100
64) Tetrachloroethene	9.275	164	81560	47.632	ug/l	98
65) Chlorobenzene	10.079	112	241748	47.674	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	91486	47.741	ug/l	99
67) Ethyl Benzene	10.195	91	437602	49.535	ug/l	100
68) m/p-Xylenes	10.299	106	344275	100.164	ug/l	97
69) o-Xylene	10.640	106	165789	48.799	ug/l	98
70) Styrene	10.652	104	279138	50.167	ug/l	98
71) Bromoform	10.799	173	71331	47.026	ug/l #	99
73) Isopropylbenzene	10.963	105	442394	48.381	ug/l	99
74) N-amyl acetate	10.841	43	147071	47.142	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	126859	43.732	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	103233m	40.221	ug/l	
77) Bromobenzene	11.195	156	106610	46.171	ug/l	99
78) n-propylbenzene	11.305	91	510235	49.974	ug/l	99
79) 2-Chlorotoluene	11.366	91	301610	47.800	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	371632	48.825	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	35577	43.118	ug/l	95
82) 4-Chlorotoluene	11.451	91	348717	47.528	ug/l	98
83) tert-Butylbenzene	11.713	119	364266	47.992	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	369297	48.606	ug/l	100
85) sec-Butylbenzene	11.890	105	444778	50.225	ug/l	99
86) p-Isopropyltoluene	12.012	119	378857	49.622	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	201471	48.168	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	201786	47.231	ug/l	99
89) n-Butylbenzene	12.329	91	324755	51.934	ug/l	99
90) Hexachloroethane	12.542	117	61617	47.479	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	194397	46.487	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	26552	42.375	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	123370	48.849	ug/l	99
94) Hexachlorobutadiene	13.725	225	49179	48.628	ug/l	99
95) Naphthalene	13.774	128	398755	47.334	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	122545	47.910	ug/l	99

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

