

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101122\
 Data File : VX032027.D
 Acq On : 11 Oct 2022 11:16
 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 10/12/2022
 Supervised By : Mahesh Dadoda 10/12/2022

Quant Time: Oct 11 16:20:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	66360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	97920	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	107819	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	73099	53.338	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.680%			
35) Dibromofluoromethane	5.385	113	59441	53.628	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.260%			
50) Toluene-d8	8.647	98	219626	55.066	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.140%			
62) 4-Bromofluorobenzene	11.079	95	86172	61.114	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 122.220%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	56314	57.022	ug/l	99
3) Chloromethane	1.288	50	48064	46.476	ug/l	99
4) Vinyl Chloride	1.374	62	57883	47.894	ug/l	98
5) Bromomethane	1.612	94	45329	58.454	ug/l	97
6) Chloroethane	1.685	64	46818	45.522	ug/l	96
7) Trichlorofluoromethane	1.886	101	111746	51.438	ug/l	98
8) Diethyl Ether	2.130	74	36321	49.049	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.325	101	56422	51.383	ug/l	90
10) Methyl Iodide	2.453	142	51272	46.116	ug/l	98
11) Tert butyl alcohol	2.983	59	40482	237.417	ug/l	99
12) 1,1-Dichloroethene	2.319	96	50795	50.253	ug/l	90
13) Acrolein	2.233	56	26817	274.301	ug/l	100
14) Allyl chloride	2.660	41	79719	55.428	ug/l	97
15) Acrylonitrile	3.062	53	131803	242.481	ug/l	99
16) Acetone	2.386	43	122798	263.644	ug/l	96
17) Carbon Disulfide	2.508	76	111927	51.565	ug/l	99
18) Methyl Acetate	2.703	43	80043	52.084	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	179774	53.000	ug/l	98
20) Methylene Chloride	2.788	84	58227	47.572	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	55387	49.480	ug/l	96
22) Diisopropyl ether	3.757	45	178121	55.090	ug/l	96
23) Vinyl Acetate	3.721	43	700242	289.737	ug/l	98
24) 1,1-Dichloroethane	3.611	63	100139	51.667	ug/l	98
25) 2-Butanone	4.556	43	188511	258.906	ug/l	98
26) 2,2-Dichloropropane	4.477	77	81897	58.828	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	66617	49.737	ug/l	92
28) Bromochloromethane	4.898	49	43799	52.796	ug/l	91
29) Tetrahydrofuran	5.001	42	113754	242.137	ug/l	96
30) Chloroform	5.093	83	113794	52.710	ug/l	98
31) Cyclohexane	5.471	56	84304	51.493	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	99494	54.233	ug/l	100
36) 1,1-Dichloropropene	5.690	75	79207	53.890	ug/l	99
37) Ethyl Acetate	4.709	43	74897	54.126	ug/l	99
38) Carbon Tetrachloride	5.678	117	86824	57.773	ug/l	96
39) Methylcyclohexane	7.379	83	98163	55.992	ug/l	93
40) Benzene	6.038	78	227537	52.868	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	40480	56.257	ug/l	97
42) 1,2-Dichloroethane	6.080	62	89671	57.176	ug/l	100
43) Isopropyl Acetate	6.336	43	122706	58.446	ug/l	99
44) Trichloroethene	7.123	130	64317	50.966	ug/l	94
45) 1,2-Dichloropropane	7.428	63	59407	56.167	ug/l	95
46) Dibromomethane	7.580	93	43910	53.568	ug/l	94
47) Bromodichloromethane	7.818	83	87415	61.732	ug/l	99
48) Methyl methacrylate	7.690	41	61198	61.001	ug/l	96
49) 1,4-Dioxane	7.684	88	22391	985.635	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	390296	280.529	ug/l	99
52) Toluene	8.720	92	153000	54.371	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	87476	57.208	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	95171	62.060	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	62773	52.853	ug/l	98
56) Ethyl methacrylate	9.116	69	91648	60.199	ug/l	97
57) 1,3-Dichloropropane	9.311	76	104902	54.964	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	226310	287.972	ug/l	96
59) 2-Hexanone	9.433	43	295648	288.199	ug/l	100
60) Dibromochloromethane	9.519	129	69034	63.512	ug/l	98
61) 1,2-Dibromoethane	9.610	107	66827	55.951	ug/l	100
64) Tetrachloroethene	9.275	164	62623	51.446	ug/l	97
65) Chlorobenzene	10.079	112	168341	51.529	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	64234	56.823	ug/l	98
67) Ethyl Benzene	10.195	91	302440	54.723	ug/l	99
68) m/p-Xylenes	10.299	106	240293	109.410	ug/l	99
69) o-Xylene	10.640	106	113897	53.355	ug/l	97
70) Styrene	10.653	104	194467	56.985	ug/l	100
71) Bromoform	10.799	173	45717	61.777	ug/l #	98
73) Isopropylbenzene	10.964	105	312117	52.571	ug/l	98
74) N-amyl acetate	10.842	43	114608	63.213	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	92853	49.223	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	76072m	47.152	ug/l	
77) Bromobenzene	11.201	156	73590	50.319	ug/l	99
78) n-propylbenzene	11.305	91	372067	55.097	ug/l	99
79) 2-Chlorotoluene	11.366	91	217259	53.462	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	273539	55.551	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	24593	53.799	ug/l	87
82) 4-Chlorotoluene	11.451	91	255406	54.877	ug/l	99
83) tert-Butylbenzene	11.713	119	262014	53.763	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	268743	53.725	ug/l	99
85) sec-Butylbenzene	11.890	105	344504	57.097	ug/l	99
86) p-Isopropyltoluene	12.006	119	295244	58.119	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	144790	51.997	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	146787	51.213	ug/l	99
89) n-Butylbenzene	12.329	91	262560	61.719	ug/l	99
90) Hexachloroethane	12.536	117	47144	58.142	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	143140	51.702	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	20402	59.086	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	93781	55.811	ug/l	99
94) Hexachlorobutadiene	13.725	225	40443	59.508	ug/l	98
95) Naphthalene	13.774	128	306389	53.212	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	93913	55.099	ug/l	98

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

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