

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051623\
 Data File : VX035702.D
 Acq On : 16 May 2023 19:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/17/2023
 Supervised By : Mahesh Dadoda 05/17/2023

Quant Time: May 17 05:35:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	204567	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	367356	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	330457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	153051	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	181941	50.982	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.960%	
35) Dibromofluoromethane	5.385	113	124234	50.146	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.300%	
50) Toluene-d8	8.647	98	447275	48.870	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.740%	
62) 4-Bromofluorobenzene	11.079	95	182496	49.523	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.040%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	116033	43.523	ug/l	99
3) Chloromethane	1.295	50	142546	44.059	ug/l	99
4) Vinyl Chloride	1.374	62	125195	45.596	ug/l	98
5) Bromomethane	1.612	94	68579	46.117	ug/l	93
6) Chloroethane	1.691	64	75630	45.404	ug/l	97
7) Trichlorofluoromethane	1.886	101	188373	46.659	ug/l	99
8) Diethyl Ether	2.130	74	75390	48.499	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	107668	44.918	ug/l	95
10) Methyl Iodide	2.453	142	102173	47.660	ug/l	# 89
11) Tert butyl alcohol	3.014	59	141847	225.289	ug/l	# 92
12) 1,1-Dichloroethene	2.319	96	101285	44.460	ug/l	86
13) Acrolein	2.240	56	162696	217.716	ug/l	100
14) Allyl chloride	2.666	41	215740	44.204	ug/l	93
15) Acrylonitrile	3.069	53	360786	260.224	ug/l	99
16) Acetone	2.398	43	340231	221.817	ug/l	92
17) Carbon Disulfide	2.514	76	216948	39.459	ug/l	99
18) Methyl Acetate	2.709	43	297631	52.615	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	427277	47.133	ug/l	98
20) Methylene Chloride	2.788	84	127091	45.719	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	113616	45.514	ug/l	93
22) Diisopropyl ether	3.764	45	449727	47.064	ug/l	89
23) Vinyl Acetate	3.721	43	1639083	242.421	ug/l	98
24) 1,1-Dichloroethane	3.611	63	239179	46.801	ug/l	98
25) 2-Butanone	4.562	43	524206	246.882	ug/l	100
26) 2,2-Dichloropropane	4.477	77	183818	42.474	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	139528	46.496	ug/l	94
28) Bromochloromethane	4.904	49	114705	49.900	ug/l	96
29) Tetrahydrofuran	5.013	42	334962	250.988	ug/l	99
30) Chloroform	5.099	83	248033	47.363	ug/l	100
31) Cyclohexane	5.471	56	197520	43.807	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	212676	46.675	ug/l	98
36) 1,1-Dichloropropene	5.696	75	173132	44.273	ug/l	97
37) Ethyl Acetate	4.715	43	203531	49.900	ug/l	99
38) Carbon Tetrachloride	5.678	117	166968	45.073	ug/l	98
39) Methylcyclohexane	7.385	83	197336	42.869	ug/l	94
40) Benzene	6.038	78	498007	45.523	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	120302	49.676	ug/l	97
42) 1,2-Dichloroethane	6.086	62	221959	47.166	ug/l	96
43) Isopropyl Acetate	6.342	43	348377	48.981	ug/l	99
44) Trichloroethene	7.123	130	122668	44.222	ug/l	91
45) 1,2-Dichloropropane	7.428	63	134661	46.477	ug/l	98
46) Dibromomethane	7.580	93	93899	47.346	ug/l	95
47) Bromodichloromethane	7.824	83	180635	47.122	ug/l	99
48) Methyl methacrylate	7.696	41	173064	49.304	ug/l	96
49) 1,4-Dioxane	7.714	88	59469	823.583	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	1062631	259.331	ug/l	98
52) Toluene	8.720	92	314645	45.564	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	197931	47.525	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	212322	47.583	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	129069	47.587	ug/l	98
56) Ethyl methacrylate	9.116	69	212636	48.411	ug/l	96
57) 1,3-Dichloropropane	9.305	76	231497	47.082	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	540378	241.840	ug/l	99
59) 2-Hexanone	9.433	43	796966	258.263	ug/l	97
60) Dibromochloromethane	9.525	129	123980	47.954	ug/l	100
61) 1,2-Dibromoethane	9.610	107	136023	47.600	ug/l	99
64) Tetrachloroethene	9.275	164	96787	43.504	ug/l	95
65) Chlorobenzene	10.080	112	323695	44.873	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	117857	46.207	ug/l	99
67) Ethyl Benzene	10.195	91	620168	45.713	ug/l	97
68) m/p-Xylenes	10.299	106	454659	90.665	ug/l	95
69) o-Xylene	10.640	106	228822	45.984	ug/l	95
70) Styrene	10.653	104	380278	47.417	ug/l	98
71) Bromoform	10.799	173	78634	46.855	ug/l	100
73) Isopropylbenzene	10.964	105	599770	46.505	ug/l	98
74) N-amyl acetate	10.842	43	285816	47.531	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	201796	48.234	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	196133m	52.390	ug/l	
77) Bromobenzene	11.201	156	132086	45.123	ug/l	90
78) n-propylbenzene	11.305	91	706454	46.599	ug/l	98
79) 2-Chlorotoluene	11.366	91	438718	46.221	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	507845	46.330	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	54358	46.796	ug/l #	84
82) 4-Chlorotoluene	11.451	91	507222	46.401	ug/l	97
83) tert-Butylbenzene	11.713	119	490995	46.081	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	508462	46.198	ug/l	97
85) sec-Butylbenzene	11.890	105	618079	46.201	ug/l	98
86) p-Isopropyltoluene	12.012	119	513807	46.717	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	253501	45.587	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	255790	45.553	ug/l	98
89) n-Butylbenzene	12.335	91	459651	45.942	ug/l	98
90) Hexachloroethane	12.536	117	77732	46.630	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	249609	45.838	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	46882	50.323	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	151231	46.124	ug/l	96
94) Hexachlorobutadiene	13.725	225	56674	43.548	ug/l	100
95) Naphthalene	13.774	128	548456	48.845	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	150496	46.670	ug/l	98

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

