

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041523\
 Data File : VX035095.D
 Acq On : 14 Apr 2023 19:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/17/2023
 Supervised By : Mahesh Dadoda 04/17/2023

Quant Time: Apr 17 08:59:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	268674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	453258	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	403010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	188216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	178359	43.407	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.820%		
35) Dibromofluoromethane	5.385	113	142326	47.475	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.940%		
50) Toluene-d8	8.653	98	515602	46.595	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.200%		
62) 4-Bromofluorobenzene	11.079	95	202660	47.327	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.660%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	184643	68.904	ug/l	99
3) Chloromethane	1.300	50	184018	54.846	ug/l	99
4) Vinyl Chloride	1.373	62	186000	55.989	ug/l	98
5) Bromomethane	1.611	94	89764	41.582	ug/l	100
6) Chloroethane	1.684	64	102589	47.464	ug/l	99
7) Trichlorofluoromethane	1.886	101	248833	46.592	ug/l	100
8) Diethyl Ether	2.136	74	101136	53.715	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	154598	55.384	ug/l	99
10) Methyl Iodide	2.453	142	205638	59.157	ug/l	96
11) Tert butyl alcohol	2.977	59	195005	270.489	ug/l	100
12) 1,1-Dichloroethene	2.318	96	154826	56.132	ug/l	97
13) Acrolein	2.239	56	228730	308.206	ug/l	99
14) Allyl chloride	2.666	41	296019	54.781	ug/l	97
15) Acrylonitrile	3.068	53	514256	316.898	ug/l	99
16) Acetone	2.386	43	440888	264.130	ug/l	100
17) Carbon Disulfide	2.514	76	363410	52.607	ug/l	99
18) Methyl Acetate	2.703	43	380389	64.138	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	585683	57.352	ug/l	97
20) Methylene Chloride	2.788	84	180930	54.929	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	169366	56.302	ug/l	98
22) Diisopropyl ether	3.763	45	602633	55.271	ug/l	87
23) Vinyl Acetate	3.721	43	2239905	288.050	ug/l	99
24) 1,1-Dichloroethane	3.611	63	328568	56.008	ug/l	99
25) 2-Butanone	4.556	43	723943	298.154	ug/l	98
26) 2,2-Dichloropropane	4.477	77	199288	41.309	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	199639	56.008	ug/l	97
28) Bromochloromethane	4.903	49	119973	41.807	ug/l	95
29) Tetrahydrofuran	5.007	42	482056	316.915	ug/l	100
30) Chloroform	5.098	83	325045	54.551	ug/l	97
31) Cyclohexane	5.470	56	261109	52.187	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	285460	56.140	ug/l	98
36) 1,1-Dichloropropene	5.696	75	243946	54.924	ug/l	99
37) Ethyl Acetate	4.714	43	282954	60.927	ug/l	97
38) Carbon Tetrachloride	5.678	117	233830	55.840	ug/l	99
39) Methylcyclohexane	7.385	83	231339	49.050	ug/l	98
40) Benzene	6.037	78	721869	56.618	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	162929	64.509	ug/l	97
42) 1,2-Dichloroethane	6.086	62	266721	52.619	ug/l	99
43) Isopropyl Acetate	6.342	43	464665	59.804	ug/l	98
44) Trichloroethene	7.129	130	190280	58.464	ug/l	98
45) 1,2-Dichloropropane	7.433	63	188471	56.727	ug/l	100
46) Dibromomethane	7.580	93	126281	55.241	ug/l	96
47) Bromodichloromethane	7.824	83	235379	55.743	ug/l	98
48) Methyl methacrylate	7.696	41	228764	59.953	ug/l	96
49) 1,4-Dioxane	7.683	88	85081	1081.972	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	1409991	306.625	ug/l	98
52) Toluene	8.720	92	455382	54.779	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	256740	56.520	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	283439	57.017	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	182552	58.020	ug/l	98
56) Ethyl methacrylate	9.116	69	302293	61.321	ug/l	95
57) 1,3-Dichloropropane	9.311	76	315344	56.594	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	714033	284.469	ug/l	97
59) 2-Hexanone	9.433	43	1055798	303.560	ug/l	97
60) Dibromochloromethane	9.524	129	176211	58.792	ug/l	99
61) 1,2-Dibromoethane	9.610	107	192845	58.943	ug/l	99
64) Tetrachloroethene	9.274	164	154539	53.583	ug/l	95
65) Chlorobenzene	10.079	112	481563	57.431	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	174799	60.625	ug/l	99
67) Ethyl Benzene	10.195	91	843053	55.500	ug/l	99
68) m/p-Xylenes	10.305	106	648217	111.714	ug/l	98
69) o-Xylene	10.640	106	322314	56.703	ug/l	100
70) Styrene	10.658	104	540187	59.530	ug/l	98
71) Bromoform	10.799	173	123753	63.106	ug/l #	100
73) Isopropylbenzene	10.963	105	770692	55.900	ug/l	100
74) N-amyl acetate	10.841	43	398595	64.302	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	275730	61.021	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	257925m	68.011	ug/l	
77) Bromobenzene	11.201	156	202750	59.351	ug/l	96
78) n-propylbenzene	11.305	91	848785	53.294	ug/l	99
79) 2-Chlorotoluene	11.366	91	561257	55.815	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	625695	54.279	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	76885	60.758	ug/l	99
82) 4-Chlorotoluene	11.457	91	644170	55.164	ug/l	98
83) tert-Butylbenzene	11.719	119	608110	56.178	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	641448	54.719	ug/l	100
85) sec-Butylbenzene	11.890	105	698869	53.070	ug/l	100
86) p-Isopropyltoluene	12.012	119	599808	54.623	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	355073	57.074	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	358739	55.210	ug/l	99
89) n-Butylbenzene	12.335	91	497055	51.810	ug/l	99
90) Hexachloroethane	12.542	117	93862	55.170	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	360790	57.904	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	62853	66.639	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	199950	56.739	ug/l	98
94) Hexachlorobutadiene	13.725	225	77823	50.209	ug/l	98
95) Naphthalene	13.774	128	805777	64.350	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	203655	57.306	ug/l	98

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

