

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032422\
 Data File : VD072398.D
 Acq On : 24 Mar 2022 10:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2022
 Supervised By : Mahesh Dadoda 03/25/2022

Quant Time: Mar 24 16:44:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	421041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	677879	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	626715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	306696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	239253	50.989	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.980%			
35) Dibromofluoromethane	7.908	113	235692	49.408	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.820%			
50) Toluene-d8	10.338	98	856727	49.117	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.240%			
62) 4-Bromofluorobenzene	12.626	95	322399	47.570	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	169001	43.397	ug/l	97
3) Chloromethane	2.209	50	187265	54.114	ug/l	100
4) Vinyl Chloride	2.350	62	192429	57.607	ug/l	100
5) Bromomethane	2.762	94	126045	57.947	ug/l	95
6) Chloroethane	2.921	64	130746	59.200	ug/l	94
7) Trichlorofluoromethane	3.273	101	365028	48.389	ug/l	95
8) Diethyl Ether	3.709	74	105671	50.720	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.097	101	232938	48.428	ug/l	97
10) Methyl Iodide	4.297	142	190851	44.543	ug/l	98
11) Tert butyl alcohol	5.214	59	60636	222.875	ug/l	96
12) 1,1-Dichloroethene	4.067	96	194056	50.148	ug/l	95
13) Acrolein	3.920	56	48924	201.526	ug/l	97
14) Allyl chloride	4.715	41	361711	53.462	ug/l	94
15) Acrylonitrile	5.414	53	265455	252.513	ug/l	99
16) Acetone	4.150	43	239665	235.246	ug/l	96
17) Carbon Disulfide	4.409	76	438568	48.636	ug/l	99
18) Methyl Acetate	4.720	43	121408	48.629	ug/l	95
19) Methyl tert-butyl Ether	5.479	73	530943	50.480	ug/l	98
20) Methylene Chloride	4.962	84	244787	48.330	ug/l	92
21) trans-1,2-Dichloroethene	5.467	96	223458	52.209	ug/l	96
22) Diisopropyl ether	6.356	45	829327	53.740	ug/l	95
23) Vinyl Acetate	6.303	43	2183813	277.281	ug/l	97
24) 1,1-Dichloroethane	6.261	63	467859	51.406	ug/l	99
25) 2-Butanone	7.203	43	345064	254.030	ug/l	96
26) 2,2-Dichloropropane	7.208	77	404506	49.259	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	267496	48.953	ug/l	98
28) Bromochloromethane	7.538	49	204458	55.803	ug/l	90
29) Tetrahydrofuran	7.556	42	209492	262.280	ug/l	97
30) Chloroform	7.703	83	483163	49.832	ug/l	99
31) Cyclohexane	7.979	56	376645	51.377	ug/l	97
32) 1,1,1-Trichloroethane	7.897	97	421643	48.964	ug/l	98
36) 1,1-Dichloropropene	8.108	75	338901	50.642	ug/l	98
37) Ethyl Acetate	7.285	43	156433	53.364	ug/l	97
38) Carbon Tetrachloride	8.097	117	365652	48.068	ug/l	99
39) Methylcyclohexane	9.350	83	389470	51.719	ug/l	99
40) Benzene	8.344	78	966623	50.630	ug/l	99

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41) Methacrylonitrile	7.526	41	94375	55.235	ug/l	93
42) 1,2-Dichloroethane	8.420	62	293582	50.692	ug/l	98
43) Isopropyl Acetate	8.444	43	294655	51.787	ug/l	97
44) Trichloroethene	9.103	130	260644	48.630	ug/l	98
45) 1,2-Dichloropropane	9.379	63	266579	50.913	ug/l	96
46) Dibromomethane	9.473	93	132075	51.279	ug/l	96
47) Bromodichloromethane	9.655	83	368714	49.106	ug/l	97
48) Methyl methacrylate	9.450	41	135918	50.029	ug/l	88
49) 1,4-Dioxane	9.455	88	31337	1014.609	ug/l #	94
51) 4-Methyl-2-Pentanone	10.220	43	767303	256.762	ug/l	96
52) Toluene	10.397	92	625892	49.821	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	337644	49.219	ug/l	99
54) cis-1,3-Dichloropropene	10.079	75	405802	51.171	ug/l	94
55) 1,1,2-Trichloroethane	10.797	97	196382	50.052	ug/l	98
56) Ethyl methacrylate	10.655	69	245207	53.357	ug/l	92
57) 1,3-Dichloropropane	10.938	76	327405	49.720	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.938	63	527604	255.336	ug/l	97
59) 2-Hexanone	10.979	43	553211	268.030	ug/l	100
60) Dibromochloromethane	11.132	129	242310	47.594	ug/l	100
61) 1,2-Dibromoethane	11.238	107	176408	49.757	ug/l	98
64) Tetrachloroethene	10.873	164	208088	47.125	ug/l	96
65) Chlorobenzene	11.661	112	676202	48.669	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.738	131	264189	48.084	ug/l	98
67) Ethyl Benzene	11.738	91	1237278	49.860	ug/l	99
68) m/p-Xylenes	11.844	106	943854	100.167	ug/l	100
69) o-Xylene	12.173	106	451340	50.076	ug/l	98
70) Styrene	12.185	104	782853	49.740	ug/l	98
71) Bromoform	12.355	173	136929	46.655	ug/l #	97
73) Isopropylbenzene	12.467	105	1251758	51.504	ug/l	100
74) N-amyl acetate	12.279	43	294427	56.372	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	215430	49.561	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	174553m	51.595	ug/l	
77) Bromobenzene	12.749	156	269280	49.226	ug/l	96
78) n-propylbenzene	12.808	91	1524478	51.640	ug/l	99
79) 2-Chlorotoluene	12.896	91	863587	50.590	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1042417	49.925	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	64949	47.632	ug/l	97
82) 4-Chlorotoluene	12.996	91	888719	50.281	ug/l	100
83) tert-Butylbenzene	13.214	119	911122	49.773	ug/l	97
84) 1,2,4-Trimethylbenzene	13.261	105	1013117	49.245	ug/l	99
85) sec-Butylbenzene	13.391	105	1366575	49.712	ug/l	100
86) p-Isopropyltoluene	13.502	119	1134274	50.143	ug/l	99
87) 1,3-Dichlorobenzene	13.508	146	542650	47.333	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	539628	47.467	ug/l	100
89) n-Butylbenzene	13.832	91	1088090	50.465	ug/l	99
90) Hexachloroethane	14.096	117	211984	47.814	ug/l	96
91) 1,2-Dichlorobenzene	13.879	146	482907	48.312	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.490	75	32844	47.346	ug/l	90
93) 1,2,4-Trichlorobenzene	15.149	180	303886	45.921	ug/l	99
94) Hexachlorobutadiene	15.255	225	173004	44.942	ug/l	98
95) Naphthalene	15.385	128	544939	47.771	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	264563	46.186	ug/l	99

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

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