

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042222\
 Data File : VD072685.D
 Acq On : 22 Apr 2022 10:30
 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 04/25/2022
 Supervised By : Mahesh Dadoda 04/25/2022

Quant Time: Apr 22 23:42:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	366804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	594222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	562405	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	288676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	220215	49.629	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.260%		
35) Dibromofluoromethane	7.908	113	234546	50.790	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.580%		
50) Toluene-d8	10.332	98	772328	48.113	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.220%		
62) 4-Bromofluorobenzene	12.620	95	317423	50.633	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	133673	45.919	ug/l	96
3) Chloromethane	2.209	50	135202	50.213	ug/l	99
4) Vinyl Chloride	2.350	62	149170	48.234	ug/l	100
5) Bromomethane	2.762	94	105949	51.063	ug/l	95
6) Chloroethane	2.915	64	105336	53.115	ug/l	97
7) Trichlorofluoromethane	3.268	101	335052	53.026	ug/l	98
8) Diethyl Ether	3.703	74	97417	51.880	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.091	101	216787	51.444	ug/l	96
10) Methyl Iodide	4.297	142	182903	46.820	ug/l	98
11) Tert butyl alcohol	5.214	59	95974	409.577	ug/l	96
12) 1,1-Dichloroethene	4.067	96	176143	53.465	ug/l	90
13) Acrolein	3.920	56	29574	284.407	ug/l	97
14) Allyl chloride	4.709	41	286817	49.587	ug/l #	91
15) Acrylonitrile	5.420	53	250503	266.758	ug/l	97
16) Acetone	4.156	43	225585	272.646	ug/l #	88
17) Carbon Disulfide	4.403	76	328929	46.382	ug/l	99
18) Methyl Acetate	4.715	43	113462	48.676	ug/l #	90
19) Methyl tert-butyl Ether	5.473	73	526780	54.781	ug/l	97
20) Methylene Chloride	4.962	84	241226	48.973	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	201407	50.085	ug/l	91
22) Diisopropyl ether	6.361	45	713625	53.913	ug/l	91
23) Vinyl Acetate	6.303	43	1867454	261.992	ug/l #	94
24) 1,1-Dichloroethane	6.256	63	416600	52.230	ug/l	98
25) 2-Butanone	7.203	43	319568	279.268	ug/l	94
26) 2,2-Dichloropropane	7.203	77	387929	54.756	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	263539	52.685	ug/l	92
28) Bromochloromethane	7.544	49	179809	52.612	ug/l #	77
29) Tetrahydrofuran	7.561	42	186486	269.930	ug/l	88
30) Chloroform	7.703	83	470009	52.383	ug/l	98
31) Cyclohexane	7.979	56	300048	51.715	ug/l	90
32) 1,1,1-Trichloroethane	7.897	97	406203	53.377	ug/l	96
36) 1,1-Dichloropropene	8.108	75	302115	51.167	ug/l	96
37) Ethyl Acetate	7.291	43	142337	58.170	ug/l #	97
38) Carbon Tetrachloride	8.097	117	347041	54.550	ug/l	99
39) Methylcyclohexane	9.350	83	334666	48.770	ug/l	96
40) Benzene	8.344	78	891365	55.269	ug/l	99

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41) Methacrylonitrile	7.514	41	82564	57.480	ug/l #	91
42) 1,2-Dichloroethane	8.414	62	268644	54.497	ug/l	95
43) Isopropyl Acetate	8.444	43	262332	55.891	ug/l #	93
44) Trichloroethene	9.108	130	245569	53.634	ug/l	98
45) 1,2-Dichloropropane	9.379	63	245087	54.630	ug/l	95
46) Dibromomethane	9.467	93	129663	55.088	ug/l	97
47) Bromodichloromethane	9.655	83	367459	54.341	ug/l	99
48) Methyl methacrylate	9.450	41	133323	58.507	ug/l	92
49) 1,4-Dioxane	9.455	88	32825	1172.360	ug/l #	91
51) 4-Methyl-2-Pentanone	10.220	43	703139	279.190	ug/l	90
52) Toluene	10.397	92	593325	55.378	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	328570	55.760	ug/l	100
54) cis-1,3-Dichloropropene	10.079	75	372701	53.496	ug/l #	88
55) 1,1,2-Trichloroethane	10.791	97	191990	53.803	ug/l	98
56) Ethyl methacrylate	10.655	69	230210	52.410	ug/l #	83
57) 1,3-Dichloropropane	10.938	76	317140	53.760	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.932	63	462516	262.537	ug/l	93
59) 2-Hexanone	10.973	43	510183	297.895	ug/l	93
60) Dibromochloromethane	11.132	129	249109	54.119	ug/l	98
61) 1,2-Dibromoethane	11.238	107	176459	55.696	ug/l	99
64) Tetrachloroethene	10.867	164	192192	52.304	ug/l	97
65) Chlorobenzene	11.661	112	657610	52.299	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	266870	53.086	ug/l	99
67) Ethyl Benzene	11.738	91	1175212	53.564	ug/l	98
68) m/p-Xylenes	11.844	106	902091	108.377	ug/l	100
69) o-Xylene	12.173	106	430936	53.659	ug/l	97
70) Styrene	12.185	104	759523	53.662	ug/l	98
71) Bromoform	12.349	173	140510	52.724	ug/l #	99
73) Isopropylbenzene	12.467	105	1188229	50.967	ug/l	99
74) N-amyl acetate	12.279	43	251027	51.317	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.720	83	217134	49.171	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	162013m	51.458	ug/l	
77) Bromobenzene	12.749	156	265278	50.766	ug/l	94
78) n-propylbenzene	12.808	91	1445635	51.400	ug/l	98
79) 2-Chlorotoluene	12.896	91	838796	50.997	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	1012974	50.733	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	65660	51.173	ug/l	92
82) 4-Chlorotoluene	12.991	91	881769	51.475	ug/l	100
83) tert-Butylbenzene	13.208	119	893253	51.676	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	1000130	51.223	ug/l	100
85) sec-Butylbenzene	13.391	105	1326018	50.928	ug/l	98
86) p-Isopropyltoluene	13.502	119	1081679	50.826	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	547696	50.582	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	533398	48.876	ug/l	99
89) n-Butylbenzene	13.826	91	1040011	51.298	ug/l	99
90) Hexachloroethane	14.096	117	220564	50.625	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	469408	49.151	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.485	75	33701	51.603	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	299088	50.524	ug/l	100
94) Hexachlorobutadiene	15.249	225	164616	49.645	ug/l	99
95) Naphthalene	15.385	128	550361	47.847	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	263762	51.051	ug/l	100

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

