

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040522\
 Data File : VD072542.D
 Acq On : 05 Apr 2022 19:03
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/06/2022
 Supervised By : Mahesh Dadoda 04/06/2022

Quant Time: Apr 06 01:15:25 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	427021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	719011	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	665779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	327847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	243689	47.175	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.340%		
35) Dibromofluoromethane	7.909	113	258085	46.188	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.380%		
50) Toluene-d8	10.332	98	886252	45.628	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.260%		
62) 4-Bromofluorobenzene	12.620	95	356445	46.989	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.980%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	172961	51.036	ug/l	97
3) Chloromethane	2.209	50	185666	59.231	ug/l	96
4) Vinyl Chloride	2.350	62	190728	52.881	ug/l	99
5) Bromomethane	2.768	94	132751	54.958	ug/l	93
6) Chloroethane	2.921	64	134816	58.394	ug/l	96
7) Trichlorofluoromethane	3.273	101	413426	56.203	ug/l	99
8) Diethyl Ether	3.709	74	126478	57.858	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.091	101	262790	53.567	ug/l	96
10) Methyl Iodide	4.297	142	229896	50.254	ug/l	98
11) Tert butyl alcohol	5.220	59	81399	298.391	ug/l	97
12) 1,1-Dichloroethene	4.068	96	216022	56.323	ug/l	90
13) Acrolein	3.926	56	14975	123.703	ug/l	99
14) Allyl chloride	4.715	41	360036	53.379	ug/l #	92
15) Acrylonitrile	5.420	53	319117	291.904	ug/l	98
16) Acetone	4.156	43	221825	230.295	ug/l	90
17) Carbon Disulfide	4.409	76	441142	52.882	ug/l	100
18) Methyl Acetate	4.720	43	138240	50.943	ug/l	92
19) Methyl tert-butyl Ether	5.479	73	661870	59.123	ug/l	91
20) Methylene Chloride	4.962	84	306776	53.498	ug/l	86
21) trans-1,2-Dichloroethene	5.473	96	258061	55.048	ug/l	90
22) Diisopropyl ether	6.362	45	892807	57.938	ug/l #	94
23) Vinyl Acetate	6.303	43	2375675	285.710	ug/l #	93
24) 1,1-Dichloroethane	6.256	63	526628	56.714	ug/l	98
25) 2-Butanone	7.203	43	372709	279.777	ug/l	91
26) 2,2-Dichloropropane	7.203	77	446636	54.153	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	334560	57.451	ug/l	91
28) Bromochloromethane	7.544	49	195044	49.022	ug/l #	76
29) Tetrahydrofuran	7.561	42	238021	295.941	ug/l	89
30) Chloroform	7.703	83	584339	55.942	ug/l	99
31) Cyclohexane	7.985	56	383730	56.811	ug/l	91
32) 1,1,1-Trichloroethane	7.897	97	503311	56.811	ug/l	95
36) 1,1-Dichloropropene	8.108	75	370540	51.849	ug/l	96
37) Ethyl Acetate	7.291	43	177623	59.992	ug/l #	94
38) Carbon Tetrachloride	8.091	117	423407	55.002	ug/l	97
39) Methylcyclohexane	9.350	83	542962	64.411	ug/l	95
40) Benzene	8.344	78	1119635	57.374	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	104606	60.108	ug/l #	88
42) 1,2-Dichloroethane	8.420	62	345653	57.950	ug/l	95
43) Isopropyl Acetate	8.450	43	350003	61.628	ug/l #	94
44) Trichloroethene	9.108	130	314950	56.848	ug/l	97
45) 1,2-Dichloropropane	9.379	63	307245	56.599	ug/l	94
46) Dibromomethane	9.467	93	164790	57.861	ug/l	96
47) Bromodichloromethane	9.655	83	455563	55.678	ug/l	99
48) Methyl methacrylate	9.450	41	171810	62.311	ug/l	88
49) 1,4-Dioxane	9.455	88	39186	1156.646	ug/l #	87
51) 4-Methyl-2-Pentanone	10.220	43	899638	295.216	ug/l	90
52) Toluene	10.397	92	746029	57.546	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	403875	56.644	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	466723	55.365	ug/l #	89
55) 1,1,2-Trichloroethane	10.791	97	255796	59.243	ug/l	97
56) Ethyl methacrylate	10.655	69	305017	57.275	ug/l	87
57) 1,3-Dichloropropane	10.938	76	397110	55.633	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	489573	229.665	ug/l	91
59) 2-Hexanone	10.973	43	615944	297.229	ug/l	93
60) Dibromochloromethane	11.132	129	309509	55.571	ug/l	98
61) 1,2-Dibromoethane	11.238	107	224406	58.537	ug/l	98
64) Tetrachloroethene	10.867	164	241340	55.481	ug/l	94
65) Chlorobenzene	11.661	112	821853	55.213	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.732	131	329499	55.368	ug/l	99
67) Ethyl Benzene	11.738	91	1469771	56.589	ug/l	98
68) m/p-Xylenes	11.844	106	1122955	113.964	ug/l	100
69) o-Xylene	12.173	106	544769	57.301	ug/l	98
70) Styrene	12.185	104	964591	57.569	ug/l	97
71) Bromoform	12.349	173	174841	55.420	ug/l #	98
73) Isopropylbenzene	12.467	105	1487571	56.183	ug/l	100
74) N-amyl acetate	12.279	43	325722	58.631	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.720	83	272162	54.269	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	200408m	56.047	ug/l	
77) Bromobenzene	12.749	156	332412	56.013	ug/l	93
78) n-propylbenzene	12.808	91	1770780	55.439	ug/l	98
79) 2-Chlorotoluene	12.896	91	1039537	55.650	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	1256275	55.400	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	78659	53.979	ug/l	93
82) 4-Chlorotoluene	12.996	91	1087855	55.918	ug/l	100
83) tert-Butylbenzene	13.214	119	1116443	56.871	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	1238254	55.841	ug/l	100
85) sec-Butylbenzene	13.391	105	1629074	55.092	ug/l	99
86) p-Isopropyltoluene	13.502	119	1347125	55.735	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	677410	55.087	ug/l	99
88) 1,4-Dichlorobenzene	13.579	146	658189	53.105	ug/l	99
89) n-Butylbenzene	13.826	91	1261260	54.778	ug/l	98
90) Hexachloroethane	14.096	117	265083	53.574	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	594828	54.842	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.491	75	43821	59.082	ug/l	90
93) 1,2,4-Trichlorobenzene	15.143	180	363488	54.067	ug/l	97
94) Hexachlorobutadiene	15.249	225	206265	54.773	ug/l	98
95) Naphthalene	15.385	128	733992	56.188	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	321255	54.750	ug/l	99

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

