

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041822\
 Data File : VD072593.D
 Acq On : 18 Apr 2022 12:54
 Operator : VA/SY
 Sample : VD0418SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0418SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/19/2022
 Supervised By :Mahesh Dadoda 04/19/2022

Quant Time: Apr 19 02:49:24 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	319097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	519208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	486827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	263121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	175944	45.580	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.160%		
35) Dibromofluoromethane	7.908	113	200591	49.713	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.420%		
50) Toluene-d8	10.332	98	681265	48.572	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.140%		
62) 4-Bromofluorobenzene	12.620	95	272090	49.672	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	99.340%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	51998	20.533	ug/l	90
3) Chloromethane	2.215	50	41689	17.798	ug/l	99
4) Vinyl Chloride	2.350	62	45699	17.601	ug/l	98
5) Bromomethane	2.744	94	36176	20.042	ug/l	91
6) Chloroethane	2.915	64	34818	20.182	ug/l	97
7) Trichlorofluoromethane	3.267	101	125341	22.802	ug/l	99
8) Diethyl Ether	3.709	74	33541	20.533	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.097	101	84242	22.980	ug/l	96
10) Methyl Iodide	4.297	142	53812	18.304	ug/l	97
11) Tert butyl alcohol	5.214	59	29022	142.371	ug/l #	88
12) 1,1-Dichloroethene	4.067	96	59209	20.659	ug/l	85
13) Acrolein	3.920	56	12581	139.077	ug/l	96
14) Allyl chloride	4.709	41	91355	18.870	ug/l #	90
15) Acrylonitrile	5.414	53	92044	112.671	ug/l	98
16) Acetone	4.156	43	84859	117.896	ug/l	99
17) Carbon Disulfide	4.409	76	73349	14.586	ug/l	99
18) Methyl Acetate	4.720	43	52390	25.836	ug/l #	89
19) Methyl tert-butyl Ether	5.473	73	188278	22.507	ug/l	97
20) Methylene Chloride	4.956	84	99426	23.203	ug/l	86
21) trans-1,2-Dichloroethene	5.467	96	65367	19.158	ug/l	92
22) Diisopropyl ether	6.361	45	260208	22.597	ug/l #	88
23) Vinyl Acetate	6.303	43	566199	95.407	ug/l #	91
24) 1,1-Dichloroethane	6.256	63	156769	22.593	ug/l	95
25) 2-Butanone	7.208	43	111932	112.441	ug/l #	85
26) 2,2-Dichloropropane	7.203	77	147239	23.890	ug/l	96
27) cis-1,2-Dichloroethene	7.203	96	93632	21.517	ug/l	90
28) Bromochloromethane	7.544	49	62685	21.084	ug/l #	68
29) Tetrahydrofuran	7.556	42	63088	104.969	ug/l #	87
30) Chloroform	7.703	83	185839	23.809	ug/l	97
31) Cyclohexane	7.985	56	90157	17.862	ug/l #	88
32) 1,1,1-Trichloroethane	7.897	97	155998	23.563	ug/l	95
36) 1,1-Dichloropropene	8.108	75	102226	20.504	ug/l	96
37) Ethyl Acetate	7.291	43	42786	20.012	ug/l #	91
38) Carbon Tetrachloride	8.091	117	131312	23.622	ug/l	93
39) Methylcyclohexane	9.350	83	97358	18.156	ug/l	98
40) Benzene	8.344	78	310689	22.048	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	25915	21.711	ug/l #	76
42) 1,2-Dichloroethane	8.414	62	97477	22.631	ug/l	96
43) Isopropyl Acetate	8.444	43	93179	22.720	ug/l #	90
44) Trichloroethene	9.108	130	89117	22.276	ug/l	96
45) 1,2-Dichloropropane	9.379	63	91787	23.415	ug/l	98
46) Dibromomethane	9.467	93	49142	23.895	ug/l	94
47) Bromodichloromethane	9.655	83	145824	24.681	ug/l	99
48) Methyl methacrylate	9.450	41	41665	20.926	ug/l #	80
49) 1,4-Dioxane	9.455	88	12181	497.905	ug/l	95
51) 4-Methyl-2-Pentanone	10.220	43	259939	118.124	ug/l	90
52) Toluene	10.397	92	217836	23.269	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	123570	24.000	ug/l	98
54) cis-1,3-Dichloropropene	10.079	75	144471	23.733	ug/l #	89
55) 1,1,2-Trichloroethane	10.791	97	80219	25.728	ug/l	97
56) Ethyl methacrylate	10.649	69	79647	21.472	ug/l #	83
57) 1,3-Dichloropropane	10.938	76	123173	23.896	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.932	63	182669	118.669	ug/l	91
59) 2-Hexanone	10.973	43	175678	117.398	ug/l	91
60) Dibromochloromethane	11.132	129	104943	26.093	ug/l	99
61) 1,2-Dibromoethane	11.238	107	68171	24.626	ug/l	98
64) Tetrachloroethene	10.867	164	76895	24.175	ug/l	96
65) Chlorobenzene	11.661	112	260162	23.903	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.732	131	111470	25.616	ug/l	98
67) Ethyl Benzene	11.738	91	426708	22.468	ug/l	95
68) m/p-Xylenes	11.844	106	339404	47.106	ug/l	99
69) o-Xylene	12.173	106	163892	23.576	ug/l	93
70) Styrene	12.185	104	295286	24.101	ug/l	97
71) Bromoform	12.349	173	60578	26.260	ug/l #	98
73) Isopropylbenzene	12.467	105	472187	22.221	ug/l	99
74) N-amyl acetate	12.279	43	95482	21.415	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.720	83	94541	23.489	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	66638m	23.221	ug/l	
77) Bromobenzene	12.749	156	112356	23.590	ug/l	90
78) n-propylbenzene	12.808	91	578462	22.565	ug/l	98
79) 2-Chlorotoluene	12.896	91	340669	22.724	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	419336	23.041	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	26941	23.036	ug/l	85
82) 4-Chlorotoluene	12.996	91	362345	23.207	ug/l	98
83) tert-Butylbenzene	13.214	119	372624	23.650	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	420806	23.645	ug/l	99
85) sec-Butylbenzene	13.390	105	569039	23.978	ug/l	100
86) p-Isopropyltoluene	13.502	119	463753	23.907	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	237502	24.065	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	237834	23.910	ug/l	99
89) n-Butylbenzene	13.826	91	439251	23.770	ug/l	99
90) Hexachloroethane	14.096	117	99280	25.001	ug/l	100
91) 1,2-Dichlorobenzene	13.873	146	215383	24.743	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	13752	23.102	ug/l	80
93) 1,2,4-Trichlorobenzene	15.143	180	132047	24.473	ug/l	97
94) Hexachlorobutadiene	15.255	225	79485	26.299	ug/l	99
95) Naphthalene	15.384	128	221929	21.168	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	115533	24.533	ug/l	98

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

