

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041922\
 Data File : VD072616.D
 Acq On : 19 Apr 2022 11:05
 Operator : VA/SY
 Sample : VD0419SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0419SBS01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/20/2022
 Supervised By :Mahesh Dadoda 04/20/2022

Quant Time: Apr 19 16:10:45 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	314717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	513271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	491437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	264513	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	182757	48.004	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.000%		
35) Dibromofluoromethane	7.908	113	200507	50.267	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.540%		
50) Toluene-d8	10.332	98	686923	49.542	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.080%		
62) 4-Bromofluorobenzene	12.620	95	274507	50.693	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.380%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.991	85	49842	19.955	ug/l	90
3) Chloromethane	2.215	50	40622	17.584	ug/l	94
4) Vinyl Chloride	2.350	62	45271	17.675	ug/l	95
5) Bromomethane	2.750	94	36233	20.353	ug/l	92
6) Chloroethane	2.915	64	33072	19.436	ug/l	97
7) Trichlorofluoromethane	3.268	101	120281	22.186	ug/l	88
8) Diethyl Ether	3.709	74	32975	20.467	ug/l	85
9) 1,1,2-Trichlorotrifluo...	4.097	101	82274	22.755	ug/l	96
10) Methyl Iodide	4.303	142	50444	17.582	ug/l	99
11) Tert butyl alcohol	5.191	59	68297	339.701	ug/l #	74
12) 1,1-Dichloroethene	4.062	96	57659	20.398	ug/l	85
13) Acrolein	3.920	56	9156	102.624	ug/l	100
14) Allyl chloride	4.715	41	92161	19.275	ug/l #	88
15) Acrylonitrile	5.414	53	91900	114.060	ug/l	100
16) Acetone	4.150	43	83767	117.998	ug/l	99
17) Carbon Disulfide	4.409	76	74132	14.857	ug/l	97
18) Methyl Acetate	4.715	43	52926	26.464	ug/l #	89
19) Methyl tert-butyl Ether	5.479	73	185059	22.430	ug/l	97
20) Methylene Chloride	4.962	84	101897	24.111	ug/l	87
21) trans-1,2-Dichloroethene	5.467	96	63786	18.963	ug/l	84
22) Diisopropyl ether	6.367	45	248646	21.894	ug/l	92
23) Vinyl Acetate	6.303	43	557053	95.188	ug/l #	94
24) 1,1-Dichloroethane	6.256	63	154021	22.506	ug/l	99
25) 2-Butanone	7.208	43	112439	114.522	ug/l	92
26) 2,2-Dichloropropane	7.208	77	145584	23.950	ug/l	100
27) cis-1,2-Dichloroethene	7.203	96	93839	21.864	ug/l	90
28) Bromochloromethane	7.544	49	63537	21.668	ug/l #	73
29) Tetrahydrofuran	7.556	42	63789	107.613	ug/l #	85
30) Chloroform	7.703	83	179125	23.268	ug/l	97
31) Cyclohexane	7.979	56	88367	17.751	ug/l #	80
32) 1,1,1-Trichloroethane	7.903	97	157246	24.083	ug/l	94
36) 1,1-Dichloropropene	8.108	75	99775	20.258	ug/l	96
37) Ethyl Acetate	7.285	43	46970	22.223	ug/l #	92
38) Carbon Tetrachloride	8.091	117	132173	24.052	ug/l	99
39) Methylcyclohexane	9.350	83	96598	18.213	ug/l	95
40) Benzene	8.350	78	307769	22.093	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	27480	23.168	ug/l #	75
42) 1,2-Dichloroethane	8.420	62	96816	22.738	ug/l	95
43) Isopropyl Acetate	8.444	43	94174	23.229	ug/l #	92
44) Trichloroethene	9.108	130	89642	22.666	ug/l	91
45) 1,2-Dichloropropane	9.385	63	92392	23.842	ug/l	98
46) Dibromomethane	9.473	93	46754	22.996	ug/l	95
47) Bromodichloromethane	9.655	83	143724	24.607	ug/l	99
48) Methyl methacrylate	9.450	41	43559	22.130	ug/l #	84
49) 1,4-Dioxane	9.455	88	11497	475.382	ug/l	93
51) 4-Methyl-2-Pentanone	10.220	43	261766	120.330	ug/l	90
52) Toluene	10.397	92	214257	23.152	ug/l	96
53) t-1,3-Dichloropropene	10.614	75	119316	23.442	ug/l	97
54) cis-1,3-Dichloropropene	10.079	75	138753	23.057	ug/l #	84
55) 1,1,2-Trichloroethane	10.791	97	79229	25.705	ug/l	95
56) Ethyl methacrylate	10.655	69	76911	21.001	ug/l #	82
57) 1,3-Dichloropropane	10.938	76	122706	24.081	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	180858	118.851	ug/l	93
59) 2-Hexanone	10.979	43	178896	120.932	ug/l	94
60) Dibromochloromethane	11.132	129	101496	25.528	ug/l	100
61) 1,2-Dibromoethane	11.238	107	68505	25.033	ug/l	99
64) Tetrachloroethene	10.867	164	71732	22.340	ug/l	96
65) Chlorobenzene	11.661	112	252420	22.974	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	106930	24.342	ug/l	96
67) Ethyl Benzene	11.738	91	426624	22.253	ug/l	99
68) m/p-Xylenes	11.844	106	331525	45.581	ug/l	98
69) o-Xylene	12.173	106	162029	23.089	ug/l	94
70) Styrene	12.185	104	293890	23.762	ug/l	96
71) Bromoform	12.349	173	61639	26.469	ug/l #	99
73) Isopropylbenzene	12.473	105	461795	21.617	ug/l	99
74) N-amyl acetate	12.279	43	93383	20.834	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.720	83	96923	23.954	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	57954m	20.088	ug/l	
77) Bromobenzene	12.749	156	106772	22.299	ug/l	93
78) n-propylbenzene	12.808	91	570366	22.132	ug/l	98
79) 2-Chlorotoluene	12.896	91	331696	22.009	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	407750	22.287	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	26835	22.825	ug/l	85
82) 4-Chlorotoluene	12.996	91	345275	21.997	ug/l	98
83) tert-Butylbenzene	13.214	119	360051	22.732	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	405162	22.646	ug/l	99
85) sec-Butylbenzene	13.391	105	551905	23.133	ug/l	99
86) p-Isopropyltoluene	13.502	119	452475	23.203	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	232737	23.458	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	231464	23.147	ug/l	100
89) n-Butylbenzene	13.832	91	424180	22.834	ug/l	99
90) Hexachloroethane	14.096	117	92619	23.200	ug/l	99
91) 1,2-Dichlorobenzene	13.873	146	207037	23.659	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.485	75	14986	25.043	ug/l	92
93) 1,2,4-Trichlorobenzene	15.143	180	123664	22.799	ug/l	97
94) Hexachlorobutadiene	15.255	225	74340	24.468	ug/l	98
95) Naphthalene	15.385	128	216823	20.572	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	112776	23.822	ug/l	100

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

