

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
 Data File : VD072201.D
 Acq On : 15 Mar 2022 21:02
 Operator : VA/SY
 Sample : VD0315SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/16/2022
 Supervised By : Mahesh Dadoda 03/17/2022

Quant Time: Mar 16 01:03:57 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	456028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	783361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	735335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	364976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	271374	53.397	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.800%			
35) Dibromofluoromethane	7.909	113	277174	50.280	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.560%			
50) Toluene-d8	10.332	98	1026887	50.945	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.880%			
62) 4-Bromofluorobenzene	12.620	95	389943	49.788	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	72633	17.220	ug/l	96
3) Chloromethane	2.209	50	65735	17.538	ug/l	96
4) Vinyl Chloride	2.344	62	62013	17.140	ug/l	97
5) Bromomethane	2.750	94	42894	18.207	ug/l	98
6) Chloroethane	2.915	64	44337	18.535	ug/l	94
7) Trichlorofluoromethane	3.274	101	136357	16.689	ug/l	100
8) Diethyl Ether	3.709	74	45340	20.093	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.091	101	92729	17.799	ug/l	95
10) Methyl Iodide	4.297	142	60041	14.518	ug/l	98
11) Tert butyl alcohol	5.215	59	32610	110.666	ug/l #	74
12) 1,1-Dichloroethene	4.062	96	72329	17.257	ug/l	96
13) Acrolein	3.921	56	27312	103.871	ug/l	100
14) Allyl chloride	4.709	41	138703	18.928	ug/l	91
15) Acrylonitrile	5.420	53	126398	111.011	ug/l	97
16) Acetone	4.156	43	96326	87.296	ug/l #	89
17) Carbon Disulfide	4.403	76	115760	12.987	ug/l	98
18) Methyl Acetate	4.715	43	71372	26.394	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	240210	21.086	ug/l #	75
20) Methylene Chloride	4.962	84	125821	19.062	ug/l	90
21) trans-1,2-Dichloroethene	5.468	96	83125	17.931	ug/l	99
22) Diisopropyl ether	6.362	45	358988	21.478	ug/l	92
23) Vinyl Acetate	6.303	43	835733	97.973	ug/l #	95
24) 1,1-Dichloroethane	6.262	63	194705	19.752	ug/l	100
25) 2-Butanone	7.209	43	155129	105.441	ug/l	94
26) 2,2-Dichloropropane	7.203	77	155213	17.451	ug/l	97
27) cis-1,2-Dichloroethene	7.209	96	115919	19.586	ug/l	95
28) Bromochloromethane	7.544	49	81019	20.416	ug/l	89
29) Tetrahydrofuran	7.556	42	94598	109.349	ug/l	95
30) Chloroform	7.703	83	209450	19.945	ug/l	98
31) Cyclohexane	7.979	56	135476	17.062	ug/l #	88
32) 1,1,1-Trichloroethane	7.897	97	175834	18.852	ug/l	95
36) 1,1-Dichloropropene	8.109	75	126598	16.370	ug/l	98
37) Ethyl Acetate	7.291	43	65742	19.407	ug/l #	96
38) Carbon Tetrachloride	8.097	117	141220	16.065	ug/l	97
39) Methylcyclohexane	9.350	83	172740	19.850	ug/l	98
40) Benzene	8.350	78	387286	17.554	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	46714	23.659	ug/l	96
42) 1,2-Dichloroethane	8.414	62	124406	18.588	ug/l	92
43) Isopropyl Acetate	8.450	43	148926	22.650	ug/l	98
44) Trichloroethene	9.108	130	107650	17.381	ug/l	100
45) 1,2-Dichloropropane	9.379	63	116203	19.205	ug/l	95
46) Dibromomethane	9.467	93	57178	19.211	ug/l	95
47) Bromodichloromethane	9.656	83	164283	18.934	ug/l	98
48) Methyl methacrylate	9.450	41	56358	17.951	ug/l #	78
49) 1,4-Dioxane	9.461	88	14747	413.176	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	361538	104.691	ug/l	94
52) Toluene	10.397	92	259320	17.862	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	144114	18.179	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	170645	18.621	ug/l	92
55) 1,1,2-Trichloroethane	10.791	97	101325	22.348	ug/l	94
56) Ethyl methacrylate	10.655	69	129329	24.353	ug/l #	95
57) 1,3-Dichloropropane	10.938	76	150173	19.735	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.932	63	227660	95.341	ug/l	97
59) 2-Hexanone	10.979	43	269321	112.915	ug/l	97
60) Dibromochloromethane	11.132	129	113407	19.276	ug/l	99
61) 1,2-Dibromoethane	11.244	107	79099	19.306	ug/l	95
64) Tetrachloroethene	10.873	164	87619	16.912	ug/l	96
65) Chlorobenzene	11.661	112	297459	18.247	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	120555	18.701	ug/l	99
67) Ethyl Benzene	11.738	91	518888	17.821	ug/l	99
68) m/p-Xylenes	11.844	106	398588	36.052	ug/l	98
69) o-Xylene	12.173	106	199368	18.852	ug/l	96
70) Styrene	12.185	104	348246	18.858	ug/l	98
71) Bromoform	12.350	173	67374	19.565	ug/l #	99
73) Isopropylbenzene	12.467	105	545254	18.852	ug/l	99
74) N-amyl acetate	12.279	43	150060	24.143	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.720	83	108963	21.065	ug/l	97
76) 1,2,3-Trichloropropane	12.767	75	79291m	19.695	ug/l	
77) Bromobenzene	12.749	156	123380	18.953	ug/l	96
78) n-propylbenzene	12.808	91	665393	18.940	ug/l	99
79) 2-Chlorotoluene	12.897	91	386951	19.048	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	479512	19.298	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	29991	18.483	ug/l	97
82) 4-Chlorotoluene	12.997	91	394828	18.771	ug/l	99
83) tert-Butylbenzene	13.214	119	418200	19.198	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	476004	19.443	ug/l	99
85) sec-Butylbenzene	13.391	105	604896	18.491	ug/l	99
86) p-Isopropyltoluene	13.502	119	500624	18.597	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	256050	18.768	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	254149	18.786	ug/l	99
89) n-Butylbenzene	13.832	91	471854	18.390	ug/l	99
90) Hexachloroethane	14.096	117	97387	18.458	ug/l	95
91) 1,2-Dichlorobenzene	13.879	146	229286	19.276	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.485	75	17556	21.266	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	144306	18.324	ug/l	99
94) Hexachlorobutadiene	15.249	225	81971	17.894	ug/l	98
95) Naphthalene	15.385	128	281674	20.749	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	131656	19.314	ug/l	97

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

