

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031522\
 Data File : VD072207.D
 Acq On : 16 Mar 2022 00:47
 Operator : VA/SY
 Sample : VD0315SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS02

Manual Integrations
 APPROVED

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

Quant Time: Mar 16 01:31:50 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	440126	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	747834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	683471	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	332314	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	257100	52.416	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.840%			
35) Dibromofluoromethane	7.908	113	255139	48.482	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.960%			
50) Toluene-d8	10.332	98	910129	47.298	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 94.600%			
62) 4-Bromofluorobenzene	12.626	95	342222	45.771	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.540%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	66460	16.326	ug/l	100
3) Chloromethane	2.203	50	64624	17.865	ug/l	93
4) Vinyl Chloride	2.344	62	60457	17.314	ug/l	97
5) Bromomethane	2.750	94	42298	18.603	ug/l	94
6) Chloroethane	2.915	64	43233	18.727	ug/l	99
7) Trichlorofluoromethane	3.267	101	127745	16.200	ug/l	96
8) Diethyl Ether	3.709	74	43512	19.979	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.085	101	84355	16.777	ug/l	94
10) Methyl Iodide	4.297	142	60207	14.997	ug/l	100
11) Tert butyl alcohol	5.214	59	32899	115.681	ug/l #	88
12) 1,1-Dichloroethene	4.067	96	68684	16.980	ug/l	92
13) Acrolein	3.920	56	26706	105.236	ug/l	96
14) Allyl chloride	4.709	41	134158	18.969	ug/l	93
15) Acrylonitrile	5.420	53	122078	111.091	ug/l	98
16) Acetone	4.156	43	92503	86.860	ug/l	95
17) Carbon Disulfide	4.403	76	112252	13.042	ug/l #	94
18) Methyl Acetate	4.709	43	72708	27.860	ug/l	95
19) Methyl tert-butyl Ether	5.473	73	227919	20.730	ug/l	95
20) Methylene Chloride	4.961	84	118103	18.337	ug/l	90
21) trans-1,2-Dichloroethene	5.467	96	77266	17.270	ug/l	95
22) Diisopropyl ether	6.356	45	344590	21.361	ug/l	97
23) Vinyl Acetate	6.303	43	828839	100.675	ug/l	97
24) 1,1-Dichloroethane	6.261	63	189137	19.880	ug/l	98
25) 2-Butanone	7.208	43	150572	106.042	ug/l	98
26) 2,2-Dichloropropane	7.208	77	142175	16.563	ug/l	100
27) cis-1,2-Dichloroethene	7.203	96	108807	19.049	ug/l	95
28) Bromochloromethane	7.544	49	79842	20.846	ug/l	86
29) Tetrahydrofuran	7.555	42	93823	112.371	ug/l	94
30) Chloroform	7.703	83	198154	19.551	ug/l	99
31) Cyclohexane	7.979	56	121206	15.817	ug/l #	87
32) 1,1,1-Trichloroethane	7.902	97	161986	17.995	ug/l	96
36) 1,1-Dichloropropene	8.108	75	116925	15.838	ug/l	98
37) Ethyl Acetate	7.291	43	64934	20.079	ug/l #	95
38) Carbon Tetrachloride	8.091	117	130994	15.609	ug/l	98
39) Methylcyclohexane	9.349	83	122402	14.734	ug/l	98
40) Benzene	8.344	78	370004	17.567	ug/l	96

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	41130	21.820	ug/l	92
42) 1,2-Dichloroethane	8.420	62	120624	18.879	ug/l	96
43) Isopropyl Acetate	8.450	43	132388	21.091	ug/l #	95
44) Trichloroethene	9.108	130	98997	16.743	ug/l	98
45) 1,2-Dichloropropane	9.379	63	110870	19.194	ug/l	100
46) Dibromomethane	9.473	93	55463	19.520	ug/l	95
47) Bromodichloromethane	9.655	83	154971	18.709	ug/l #	98
48) Methyl methacrylate	9.449	41	64173	21.411	ug/l	94
49) 1,4-Dioxane	9.461	88	13693	401.871	ug/l #	91
51) 4-Methyl-2-Pentanone	10.220	43	360326	109.297	ug/l	95
52) Toluene	10.396	92	240494	17.353	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	140343	18.544	ug/l	97
54) cis-1,3-Dichloropropene	10.085	75	160170	18.308	ug/l	90
55) 1,1,2-Trichloroethane	10.796	97	86860	20.067	ug/l	97
56) Ethyl methacrylate	10.655	69	104678	20.647	ug/l #	88
57) 1,3-Dichloropropane	10.938	76	142622	19.633	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	222614	97.657	ug/l	98
59) 2-Hexanone	10.979	43	240305	105.537	ug/l	96
60) Dibromochloromethane	11.132	129	108672	19.348	ug/l	99
61) 1,2-Dibromoethane	11.238	107	75949	19.418	ug/l	98
64) Tetrachloroethene	10.873	164	79511	16.511	ug/l	97
65) Chlorobenzene	11.661	112	275874	18.207	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.738	131	114487	19.107	ug/l	98
67) Ethyl Benzene	11.738	91	470570	17.388	ug/l	99
68) m/p-Xylenes	11.843	106	361860	35.214	ug/l	98
69) o-Xylene	12.173	106	179813	18.294	ug/l	96
70) Styrene	12.185	104	318989	18.585	ug/l	98
71) Bromoform	12.349	173	64912	20.281	ug/l #	100
73) Isopropylbenzene	12.473	105	484866	18.412	ug/l	100
74) N-amyl acetate	12.279	43	124727	22.040	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	104176	22.119	ug/l	99
76) 1,2,3-Trichloropropane	12.767	75	80337m	21.916	ug/l	
77) Bromobenzene	12.749	156	117370	19.802	ug/l	94
78) n-propylbenzene	12.808	91	586490	18.335	ug/l	99
79) 2-Chlorotoluene	12.896	91	353213	19.096	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	425885	18.825	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	30064	20.349	ug/l	93
82) 4-Chlorotoluene	12.996	91	357581	18.671	ug/l	98
83) tert-Butylbenzene	13.214	119	367139	18.510	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	416308	18.676	ug/l	98
85) sec-Butylbenzene	13.390	105	542489	18.213	ug/l	99
86) p-Isopropyltoluene	13.502	119	446707	18.225	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	232633	18.727	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	230557	18.717	ug/l	99
89) n-Butylbenzene	13.832	91	404995	17.335	ug/l	99
90) Hexachloroethane	14.096	117	90603	18.860	ug/l	94
91) 1,2-Dichlorobenzene	13.879	146	212293	19.602	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.485	75	16997	22.613	ug/l	95
93) 1,2,4-Trichlorobenzene	15.143	180	123267	17.191	ug/l	100
94) Hexachlorobutadiene	15.249	225	71777	17.209	ug/l	98
95) Naphthalene	15.384	128	249658	20.198	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	115006	18.530	ug/l	100

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

