

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102221\
 Data File : VD070816.D
 Acq On : 22 Oct 2021 11:00
 Operator : VA/SY
 Sample : VD1022SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1022SBS01

Manual Integrations
 APPROVED

Quant Time: Oct 23 04:09:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	389551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	650664	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	600869	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	309817	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	235727	51.090	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.180%	
35) Dibromofluoromethane	7.908	113	211479	50.760	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.520%	
50) Toluene-d8	10.332	98	810840	50.771	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.540%	
62) 4-Bromofluorobenzene	12.626	95	289271	52.603	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.200%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.985	85	88310	19.390	ug/l	97
3) Chloromethane	2.209	50	132890	19.664	ug/l	98
4) Vinyl Chloride	2.344	62	132888	19.189	ug/l	94
5) Bromomethane	2.750	94	84626	20.041	ug/l	98
6) Chloroethane	2.909	64	87129	19.979	ug/l	98
7) Trichlorofluoromethane	3.267	101	160111	20.451	ug/l	93
8) Diethyl Ether	3.709	74	40000	19.176	ug/l	77
9) 1,1,2-Trichlorotrifluo...	4.091	101	96660	20.641	ug/l	98
10) Methyl Iodide	4.297	142	66317	16.065	ug/l	97
11) Tert butyl alcohol	5.220	59	24131	93.425	ug/l #	84
12) 1,1-Dichloroethene	4.067	96	83225	19.654	ug/l	91
13) Acrolein	3.920	56	22313	89.254	ug/l	94
14) Allyl chloride	4.708	41	151776	18.936	ug/l #	91
15) Acrylonitrile	5.420	53	105596	96.141	ug/l	98
16) Acetone	4.150	43	109117	98.051	ug/l	90
17) Carbon Disulfide	4.403	76	296724	19.231	ug/l	99
18) Methyl Acetate	4.714	43	78704	20.346	ug/l #	87
19) Methyl tert-butyl Ether	5.467	73	179270	19.583	ug/l	100
20) Methylene Chloride	4.961	84	130810	19.386	ug/l #	89
21) trans-1,2-Dichloroethene	5.467	96	99647	20.513	ug/l	98
22) Diisopropyl ether	6.361	45	322925	20.693	ug/l #	94
23) Vinyl Acetate	6.303	43	677386	92.895	ug/l #	92
24) 1,1-Dichloroethane	6.255	63	205876	21.177	ug/l	97
25) 2-Butanone	7.208	43	132150	96.122	ug/l #	87
26) 2,2-Dichloropropane	7.202	77	158714	20.642	ug/l	97
27) cis-1,2-Dichloroethene	7.202	96	105879	20.326	ug/l	87
28) Bromochloromethane	7.538	49	90538	23.425	ug/l	83
29) Tetrahydrofuran	7.561	42	82293	97.779	ug/l #	81
30) Chloroform	7.702	83	204898	21.573	ug/l	96
31) Cyclohexane	7.979	56	174646	18.709	ug/l	88
32) 1,1,1-Trichloroethane	7.902	97	167766	20.821	ug/l	94
36) 1,1-Dichloropropene	8.102	75	150441	20.755	ug/l	98
37) Ethyl Acetate	7.291	43	62106	20.681	ug/l #	90
38) Carbon Tetrachloride	8.091	117	142098	20.468	ug/l	93
39) Methylcyclohexane	9.349	83	151363	18.517	ug/l #	84
40) Benzene	8.344	78	426185	20.415	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	28391	16.353	ug/l #	87
42) 1,2-Dichloroethane	8.420	62	121569	20.519	ug/l	96
43) Isopropyl Acetate	8.444	43	110474	19.285	ug/l #	94
44) Trichloroethene	9.108	130	98337	20.060	ug/l	89
45) 1,2-Dichloropropane	9.385	63	115678	20.973	ug/l	96
46) Dibromomethane	9.467	93	54385	20.590	ug/l	96
47) Bromodichloromethane	9.655	83	147332	21.027	ug/l	96
48) Methyl methacrylate	9.449	41	54877	19.556	ug/l #	83
49) 1,4-Dioxane	9.455	88	11555	407.428	ug/l #	85
51) 4-Methyl-2-Pentanone	10.220	43	299273	99.118	ug/l	89
52) Toluene	10.396	92	255572	20.563	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	114337	18.269	ug/l	91
54) cis-1,3-Dichloropropene	10.085	75	145181	19.378	ug/l #	86
55) 1,1,2-Trichloroethane	10.791	97	70578	19.456	ug/l	96
56) Ethyl methacrylate	10.655	69	78938	18.821	ug/l #	78
57) 1,3-Dichloropropane	10.938	76	129993	20.197	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	180620	94.536	ug/l	94
59) 2-Hexanone	10.979	43	207320	97.552	ug/l	86
60) Dibromochloromethane	11.132	129	85129	20.419	ug/l	97
61) 1,2-Dibromoethane	11.238	107	64069	19.304	ug/l	98
64) Tetrachloroethene	10.867	164	78226	19.374	ug/l	92
65) Chlorobenzene	11.661	112	250073	20.293	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	91063	19.972	ug/l	94
67) Ethyl Benzene	11.738	91	456204	20.247	ug/l	98
68) m/p-Xylenes	11.849	106	344498	40.358	ug/l	92
69) o-Xylene	12.173	106	155291	20.054	ug/l	95
70) Styrene	12.185	104	279540	20.768	ug/l	95
71) Bromoform	12.349	173	49711	20.996	ug/l #	99
73) Isopropylbenzene	12.467	105	428471	19.409	ug/l	100
74) N-amyl acetate	12.279	43	111341	19.374	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.720	83	86615	19.835	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	53944m	20.153	ug/l	
77) Bromobenzene	12.749	156	101284	20.266	ug/l	98
78) n-propylbenzene	12.808	91	578259	20.153	ug/l	97
79) 2-Chlorotoluene	12.896	91	336213	20.275	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	380649	20.398	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	20760	16.988	ug/l	89
82) 4-Chlorotoluene	12.996	91	358569	20.442	ug/l	99
83) tert-Butylbenzene	13.214	119	296256	19.209	ug/l	96
84) 1,2,4-Trimethylbenzene	13.255	105	378544	20.401	ug/l	100
85) sec-Butylbenzene	13.390	105	478590	19.747	ug/l	100
86) p-Isopropyltoluene	13.502	119	383716	19.692	ug/l	97
87) 1,3-Dichlorobenzene	13.502	146	216859	20.664	ug/l	98
88) 1,4-Dichlorobenzene	13.585	146	210473	20.309	ug/l	99
89) n-Butylbenzene	13.832	91	376803	19.161	ug/l	98
90) Hexachloroethane	14.096	117	81749	19.442	ug/l	92
91) 1,2-Dichlorobenzene	13.879	146	178142	19.861	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	12078	17.341	ug/l	96
93) 1,2,4-Trichlorobenzene	15.143	180	96455	18.799	ug/l	97
94) Hexachlorobutadiene	15.249	225	66495	19.764	ug/l	97
95) Naphthalene	15.384	128	154122	18.686	ug/l	99
96) 1,2,3-Trichlorobenzene	15.573	180	86877	19.057	ug/l	98

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

