

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101821\
 Data File : VD070727.D
 Acq On : 18 Oct 2021 13:54
 Operator : VA/SY
 Sample : VD1018SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1018SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/19/2021 5:23:00 PM

Quant Time: Oct 19 06:40:15 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	7.979	168	441704	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	734434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	700603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	341348	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	246926	47.198	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.400%		
35) Dibromofluoromethane	7.909	113	221526	47.107	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.220%		
50) Toluene-d8	10.332	98	866794	48.084	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.160%		
62) 4-Bromofluorobenzene	12.620	95	298334	48.063	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.120%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	89674	17.365	ug/l	93
3) Chloromethane	2.209	50	138427	18.065	ug/l	97
4) Vinyl Chloride	2.350	62	141883	18.069	ug/l	97
5) Bromomethane	2.750	94	86243	18.012	ug/l	98
6) Chloroethane	2.915	64	90218	18.244	ug/l	99
7) Trichlorofluoromethane	3.268	101	161596	18.204	ug/l	95
8) Diethyl Ether	3.709	74	44048	18.624	ug/l	74
9) 1,1,2-Trichlorotrifluo...	4.091	101	99043	18.652	ug/l	98
10) Methyl Iodide	4.297	142	75058	16.041	ug/l	99
11) Tert butyl alcohol	5.226	59	27848	95.086	ug/l #	90
12) 1,1-Dichloroethene	4.068	96	87255	18.173	ug/l	90
13) Acrolein	3.915	56	30256	106.737	ug/l	95
14) Allyl chloride	4.709	41	166492	18.320	ug/l #	91
15) Acrylonitrile	5.415	53	117709	94.516	ug/l	99
16) Acetone	4.156	43	112847	89.430	ug/l	97
17) Carbon Disulfide	4.409	76	307751	17.591	ug/l	99
18) Methyl Acetate	4.715	43	82109	18.720	ug/l #	85
19) Methyl tert-butyl Ether	5.473	73	198413	19.115	ug/l	99
20) Methylene Chloride	4.962	84	147540	19.244	ug/l #	83
21) trans-1,2-Dichloroethene	5.473	96	101837	18.489	ug/l	97
22) Diisopropyl ether	6.362	45	341861	19.320	ug/l #	88
23) Vinyl Acetate	6.309	43	783099	94.392	ug/l #	93
24) 1,1-Dichloroethane	6.262	63	202807	18.398	ug/l	98
25) 2-Butanone	7.214	43	144356	92.603	ug/l #	88
26) 2,2-Dichloropropane	7.209	77	166057	19.047	ug/l	96
27) cis-1,2-Dichloroethene	7.209	96	109288	18.504	ug/l	88
28) Bromochloromethane	7.544	49	92222	21.044	ug/l #	81
29) Tetrahydrofuran	7.561	42	91653	96.043	ug/l #	83
30) Chloroform	7.709	83	202240	18.779	ug/l	92
31) Cyclohexane	7.985	56	193259	18.259	ug/l	91
32) 1,1,1-Trichloroethane	7.903	97	171993	18.825	ug/l	96
36) 1,1-Dichloropropene	8.108	75	155306	18.982	ug/l	97
37) Ethyl Acetate	7.285	43	64268	18.960	ug/l	95
38) Carbon Tetrachloride	8.091	117	149281	19.050	ug/l	97
39) Methylcyclohexane	9.350	83	163350	17.704	ug/l #	85
40) Benzene	8.350	78	440794	18.707	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	30693	15.744	ug/l	89
42) 1,2-Dichloroethane	8.420	62	129643	19.386	ug/l	96
43) Isopropyl Acetate	8.450	43	121201	18.745	ug/l #	94
44) Trichloroethene	9.108	130	103139	18.640	ug/l	93
45) 1,2-Dichloropropane	9.385	63	118333	19.007	ug/l	95
46) Dibromomethane	9.473	93	55585	18.644	ug/l	95
47) Bromodichloromethane	9.655	83	151049	19.099	ug/l	99
48) Methyl methacrylate	9.450	41	58125	18.351	ug/l #	84
49) 1,4-Dioxane	9.455	88	12550	392.039	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	321539	94.346	ug/l	90
52) Toluene	10.397	92	268409	19.133	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	135989	19.250	ug/l	96
54) cis-1,3-Dichloropropene	10.085	75	162100	19.168	ug/l #	87
55) 1,1,2-Trichloroethane	10.791	97	79394	19.390	ug/l	95
56) Ethyl methacrylate	10.655	69	90479	19.048	ug/l #	78
57) 1,3-Dichloropropane	10.938	76	136393	18.775	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.938	63	218800	101.457	ug/l	94
59) 2-Hexanone	10.979	43	224076	93.410	ug/l	86
60) Dibromochloromethane	11.132	129	89228	18.961	ug/l	97
61) 1,2-Dibromoethane	11.238	107	72136	19.255	ug/l	99
64) Tetrachloroethene	10.873	164	86753	18.427	ug/l	90
65) Chlorobenzene	11.661	112	269244	18.739	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.732	131	100257	18.858	ug/l	100
67) Ethyl Benzene	11.738	91	484732	18.451	ug/l	97
68) m/p-Xylenes	11.844	106	373334	37.510	ug/l	96
69) o-Xylene	12.173	106	162899	18.042	ug/l	94
70) Styrene	12.185	104	289861	18.470	ug/l	95
71) Bromoform	12.349	173	52291	18.942	ug/l #	97
73) Isopropylbenzene	12.473	105	438367	18.023	ug/l	99
74) N-amyl acetate	12.279	43	117210	18.511	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.720	83	90424	18.794	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	59657m	20.229	ug/l	
77) Bromobenzene	12.749	156	105121	19.091	ug/l	98
78) n-propylbenzene	12.808	91	590645	18.683	ug/l	98
79) 2-Chlorotoluene	12.896	91	338054	18.503	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	387711	18.857	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.514	75	26611	19.764	ug/l #	87
82) 4-Chlorotoluene	12.996	91	360173	18.637	ug/l	99
83) tert-Butylbenzene	13.214	119	306999	18.067	ug/l	95
84) 1,2,4-Trimethylbenzene	13.255	105	386275	18.895	ug/l	99
85) sec-Butylbenzene	13.391	105	493619	18.486	ug/l	99
86) p-Isopropyltoluene	13.502	119	400762	18.667	ug/l	99
87) 1,3-Dichlorobenzene	13.502	146	212977	18.419	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	208599	18.269	ug/l	96
89) n-Butylbenzene	13.832	91	390170	18.008	ug/l	99
90) Hexachloroethane	14.096	117	83670	18.061	ug/l	90
91) 1,2-Dichlorobenzene	13.879	146	182956	18.514	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	14651	19.092	ug/l	88
93) 1,2,4-Trichlorobenzene	15.143	180	104671	18.516	ug/l	96
94) Hexachlorobutadiene	15.249	225	67638	18.247	ug/l	97
95) Naphthalene	15.385	128	172857	18.936	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	92092	18.335	ug/l	99

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

