

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD100621\
 Data File : VD070587.D
 Acq On : 06 Oct 2021 12:14
 Operator : VA/SY
 Sample : VD1006SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1006SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/7/2021 5:32:35 PM

Quant Time: Oct 07 06:59:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 09:10:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	342171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	603786	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	583479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	275063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	198537	49.303	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.600%
35) Dibromofluoromethane	7.908	113	207618	51.719	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.440%
50) Toluene-d8	10.338	98	802323	52.282	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.560%
62) 4-Bromofluorobenzene	12.620	95	269679	52.579	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	83401	19.984	ug/l	96
3) Chloromethane	2.209	50	103946	20.060	ug/l	99
4) Vinyl Chloride	2.350	62	116744	20.331	ug/l	100
5) Bromomethane	2.756	94	78691	20.455	ug/l	95
6) Chloroethane	2.920	64	72409	19.749	ug/l	97
7) Trichlorofluoromethane	3.273	101	148784	19.993	ug/l	98
8) Diethyl Ether	3.709	74	35702	18.439	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.085	101	88155	19.546	ug/l	98
10) Methyl Iodide	4.297	142	73551	16.453	ug/l	96
11) Tert butyl alcohol	5.226	59	19518m	97.843	ug/l	
12) 1,1-Dichloroethene	4.067	96	78982	19.670	ug/l	91
13) Acrolein	3.926	56	19720	102.964	ug/l	97
14) Allyl chloride	4.709	41	102771	18.387	ug/l	97
15) Acrylonitrile	5.420	53	81820	97.404	ug/l	96
16) Acetone	4.161	43	58899	86.132	ug/l	94
17) Carbon Disulfide	4.409	76	286327	19.532	ug/l	98
18) Methyl Acetate	4.720	43	50274	19.052	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	149205	18.653	ug/l	100
20) Methylene Chloride	4.961	84	117354	18.459	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	92563	19.599	ug/l	92
22) Diisopropyl ether	6.361	45	224006	19.509	ug/l	97
23) Vinyl Acetate	6.303	43	468823	89.804	ug/l	99
24) 1,1-Dichloroethane	6.267	63	163563	19.340	ug/l	98
25) 2-Butanone	7.214	43	81225	90.722	ug/l	99
26) 2,2-Dichloropropane	7.208	77	134569	19.227	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	96649	19.474	ug/l	99
28) Bromochloromethane	7.544	49	55700	18.916	ug/l	99
29) Tetrahydrofuran	7.561	42	51604	89.422	ug/l	98
30) Chloroform	7.708	83	173153	19.682	ug/l	98
31) Cyclohexane	7.985	56	140476	18.840	ug/l	96
32) 1,1,1-Trichloroethane	7.902	97	150553	19.868	ug/l	98
36) 1,1-Dichloropropene	8.108	75	126169	19.675	ug/l	96
37) Ethyl Acetate	7.297	43	41278	19.376	ug/l	99
38) Carbon Tetrachloride	8.097	117	133648	19.915	ug/l	99
39) Methylcyclohexane	9.355	83	136323	18.487	ug/l	97
40) Benzene	8.350	78	375282	19.856	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.514	41	19666	17.899	ug/l	94
42) 1,2-Dichloroethane	8.420	62	96456	19.734	ug/l	99
43) Isopropyl Acetate	8.449	43	73264	18.768	ug/l	97
44) Trichloroethene	9.108	130	92220	19.787	ug/l	96
45) 1,2-Dichloropropane	9.385	63	97229	20.158	ug/l	98
46) Dibromomethane	9.467	93	49372	19.943	ug/l	98
47) Bromodichloromethane	9.655	83	125229	19.602	ug/l	99
48) Methyl methacrylate	9.449	41	34796	19.015	ug/l	99
49) 1,4-Dioxane	9.455	88	8765	348.426	ug/l #	80
51) 4-Methyl-2-Pentanone	10.220	43	191349	95.008	ug/l	100
52) Toluene	10.396	92	239541	20.630	ug/l	99
53) t-1,3-Dichloropropene	10.614	75	107513	19.228	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	130884	19.442	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	68215	20.226	ug/l	96
56) Ethyl methacrylate	10.655	69	65813	17.263	ug/l	99
57) 1,3-Dichloropropane	10.938	76	110657	19.287	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	167060	102.810	ug/l	98
59) 2-Hexanone	10.979	43	123297	82.003	ug/l	99
60) Dibromochloromethane	11.132	129	79011	19.447	ug/l	99
61) 1,2-Dibromoethane	11.238	107	61554	19.601	ug/l	99
64) Tetrachloroethene	10.873	164	75023	20.052	ug/l	93
65) Chlorobenzene	11.661	112	241867	19.440	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.738	131	89022	19.233	ug/l	98
67) Ethyl Benzene	11.738	91	408295	19.017	ug/l	99
68) m/p-Xylenes	11.843	106	336705	39.821	ug/l	99
69) o-Xylene	12.173	106	142324	18.925	ug/l	96
70) Styrene	12.185	104	258195	19.486	ug/l	99
71) Bromoform	12.349	173	41014	18.874	ug/l #	99
73) Isopropylbenzene	12.473	105	382576	19.078	ug/l	99
74) N-amyl acetate	12.279	43	67558	17.877	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	74206	18.927	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	55282m	22.205	ug/l	
77) Bromobenzene	12.749	156	87926	19.613	ug/l	97
78) n-propylbenzene	12.808	91	504277	19.871	ug/l	100
79) 2-Chlorotoluene	12.896	91	288969	19.411	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	338613	19.799	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.514	75	19156	17.083	ug/l	94
82) 4-Chlorotoluene	12.996	91	313759	20.161	ug/l	100
83) tert-Butylbenzene	13.214	119	266489	18.853	ug/l	98
84) 1,2,4-Trimethylbenzene	13.255	105	335629	19.724	ug/l	99
85) sec-Butylbenzene	13.390	105	421059	19.216	ug/l	98
86) p-Isopropyltoluene	13.502	119	345454	19.302	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	185458	19.699	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	186697	20.003	ug/l	99
89) n-Butylbenzene	13.832	91	320899	18.782	ug/l	98
90) Hexachloroethane	14.096	117	74150	19.163	ug/l	96
91) 1,2-Dichlorobenzene	13.879	146	160198	19.956	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.490	75	10149	17.929	ug/l	90
93) 1,2,4-Trichlorobenzene	15.143	180	82018	18.978	ug/l	98
94) Hexachlorobutadiene	15.249	225	53177	19.472	ug/l	99
95) Naphthalene	15.384	128	138791	17.609	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	70790	18.596	ug/l	96

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

