

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031621\
 Data File : VD068629.D
 Acq On : 16 Mar 2021 14:01
 Operator : VA/SY
 Sample : M1458-02 5PPBLOQ
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT1-2021

Manual Integrations
 APPROVED

MMDadoda
 3/17/2021 11:47:41 AM

Quant Time: Mar 17 01:20:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 17 01:19:06 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	236314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	405001	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	373876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	202352	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	119036	50.41	ug/l	0.00
Spiked Amount 50.000	Range	50 - 163	Recovery	= 100.82%		
35) Dibromofluoromethane	7.920	113	126908	52.02	ug/l	0.00
Spiked Amount 50.000	Range	54 - 147	Recovery	= 104.04%		
50) Toluene-d8	10.343	98	479104	49.30	ug/l	0.00
Spiked Amount 50.000	Range	49 - 140	Recovery	= 98.60%		
62) 4-Bromofluorobenzene	12.632	95	162228	51.80	ug/l	0.00
Spiked Amount 50.000	Range	25 - 144	Recovery	= 103.60%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	11856	5.17	ug/l	97
3) Chloromethane	2.209	50	16646	5.74	ug/l	100
4) Vinyl Chloride	2.350	62	18654	5.42	ug/l	97
5) Bromomethane	2.767	94	14514	5.92	ug/l	96
6) Chloroethane	2.926	64	11607	5.22	ug/l #	79
7) Trichlorofluoromethane	3.279	101	23067	5.88	ug/l	91
8) Diethyl Ether	3.720	74	6180	5.29	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	14326	5.99	ug/l #	40
10) Methyl Iodide	4.303	142	11073	4.36	ug/l	92
11) Tert butyl alcohol	5.214	59	4059m	32.20	ug/l	
12) 1,1-Dichloroethene	4.067	96	12774	5.38	ug/l	86
13) Acrolein	3.920	56	3555	19.73	ug/l	98
14) Allyl chloride	4.720	41	16278	5.31	ug/l	96
15) Acrylonitrile	5.438	53	14044	28.47	ug/l	97
16) Acetone	4.161	43	10285	27.42	ug/l	97
17) Carbon Disulfide	4.414	76	44011	5.66	ug/l	97
18) Methyl Acetate	4.726	43	5541	5.73	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	30496	5.93	ug/l	96
20) Methylene Chloride	4.967	84	24806	7.79	ug/l	94
21) trans-1,2-Dichloroethene	5.473	96	17794	6.28	ug/l	90
22) Diisopropyl ether	6.373	45	33389	4.95	ug/l #	90
23) Vinyl Acetate	6.314	43	73859	21.10	ug/l	96
24) 1,1-Dichloroethane	6.267	63	25930	5.61	ug/l	98
25) 2-Butanone	7.220	43	13265	24.61	ug/l #	83
26) 2,2-Dichloropropane	7.214	77	21747	5.64	ug/l	94
27) cis-1,2-Dichloroethene	7.220	96	16335	5.25	ug/l	96
28) Bromochloromethane	7.549	49	10361	5.74	ug/l #	81
29) Tetrahydrofuran	7.567	42	8219	23.48	ug/l	94
30) Chloroform	7.720	83	27286	5.59	ug/l	90
31) Cyclohexane	7.985	56	25810	6.01	ug/l #	86
32) 1,1,1-Trichloroethane	7.908	97	24099	5.78	ug/l	95
36) 1,1-Dichloropropene	8.120	75	22652	5.88	ug/l	93
37) Ethyl Acetate	7.291	43	6494	5.08	ug/l #	88
38) Carbon Tetrachloride	8.102	117	20343	5.62	ug/l	92
39) Methylcyclohexane	9.361	83	23997	5.05	ug/l	95
40) Benzene	8.349	78	61790	5.60	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.538	41	3803m	5.13	ug/l	
42) 1,2-Dichloroethane	8.426	62	16244	5.59	ug/l	98
43) Isopropyl Acetate	8.449	43	11830	5.04	ug/l #	92
44) Trichloroethene	9.108	130	17159	5.66	ug/l	87
45) 1,2-Dichloropropane	9.385	63	14671	5.56	ug/l	97
46) Dibromomethane	9.473	93	7815	5.44	ug/l	95
47) Bromodichloromethane	9.667	83	20984	5.65	ug/l	92
48) Methyl methacrylate	9.461	41	6282	5.02	ug/l	94
49) 1,4-Dioxane	9.467	88	1564	95.49	ug/l #	85
51) 4-Methyl-2-Pentanone	10.232	43	30121	24.52	ug/l	98
52) Toluene	10.402	92	39000	5.53	ug/l	95
53) t-1,3-Dichloropropene	10.620	75	18447	5.37	ug/l	89
54) cis-1,3-Dichloropropene	10.090	75	22704	5.42	ug/l	98
55) 1,1,2-Trichloroethane	10.802	97	10867	5.47	ug/l	91
56) Ethyl methacrylate	10.661	69	10293	4.51	ug/l	94
57) 1,3-Dichloropropane	10.943	76	17530	5.05	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.943	63	29157	25.44	ug/l	96
59) 2-Hexanone	10.985	43	19174	23.42	ug/l	99
60) Dibromochloromethane	11.143	129	13021	5.29	ug/l	97
61) 1,2-Dibromoethane	11.249	107	10086	5.19	ug/l	99
64) Tetrachloroethene	10.879	164	14110	5.78	ug/l	95
65) Chlorobenzene	11.673	112	42378	5.57	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.743	131	14324	5.41	ug/l	93
67) Ethyl Benzene	11.743	91	69852	5.14	ug/l	99
68) m/p-Xylenes	11.849	106	53870	10.44	ug/l	95
69) o-Xylene	12.179	106	23282	4.90	ug/l	96
70) Styrene	12.196	104	41916	5.16	ug/l	97
71) Bromoform	12.355	173	7640	5.68	ug/l #	95
73) Isopropylbenzene	12.479	105	67369	4.49	ug/l	98
74) N-amyl acetate	12.284	43	9600	3.75	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.726	83	12963	5.02	ug/l	96
76) 1,2,3-Trichloropropane	12.784	75	7238m	4.03	ug/l	
77) Bromobenzene	12.755	156	17389	5.08	ug/l	92
78) n-propylbenzene	12.820	91	87804	4.90	ug/l	97
79) 2-Chlorotoluene	12.902	91	50750	5.10	ug/l	100
80) 1,3,5-Trimethylbenzene	12.961	105	59823	4.86	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.526	75	3146	4.09	ug/l	95
82) 4-Chlorotoluene	13.002	91	52411	5.00	ug/l	99
83) tert-Butylbenzene	13.220	119	49112	4.69	ug/l	99
84) 1,2,4-Trimethylbenzene	13.267	105	59218	4.81	ug/l	100
85) sec-Butylbenzene	13.402	105	71978	4.87	ug/l	99
86) p-Isopropyltoluene	13.514	119	64172	4.78	ug/l	98
87) 1,3-Dichlorobenzene	13.514	146	34785	5.26	ug/l	98
88) 1,4-Dichlorobenzene	13.596	146	37149	5.67	ug/l	94
89) n-Butylbenzene	13.837	91	64731	5.00	ug/l	96
90) Hexachloroethane	14.108	117	13234	4.96	ug/l	94
91) 1,2-Dichlorobenzene	13.890	146	30503	5.38	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.496	75	2058	4.52	ug/l	84
93) 1,2,4-Trichlorobenzene	15.155	180	20920	4.77	ug/l	98
94) Hexachlorobutadiene	15.267	225	12312	5.06	ug/l	98
95) Naphthalene	15.396	128	32075	4.04	ug/l	97
96) 1,2,3-Trichlorobenzene	15.590	180	18709	4.93	ug/l	91

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

