

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072821\
 Data File : VD069888.D
 Acq On : 28 Jul 2021 14:56
 Operator : VA/SY
 Sample : M2940-03 4PPBMDL
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT3-2021

Manual Integrations
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 7/29/2021 4:11:45 PM

Quant Time: Jul 29 05:04:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 05:03:28 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	638259	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1202275	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1136847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	523157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	401493	54.695	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.400%			
35) Dibromofluoromethane	7.914	113	396672	52.337	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.680%			
50) Toluene-d8	10.338	98	1498828	51.286	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.580%			
62) 4-Bromofluorobenzene	12.626	95	509204	52.135	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	24908	3.708	ug/l	94
3) Chloromethane	2.209	50	38233	3.923	ug/l	97
4) Vinyl Chloride	2.344	62	39234	3.828	ug/l	93
5) Bromomethane	2.768	94	34186	5.092	ug/l	95
6) Chloroethane	2.921	64	26505	3.990	ug/l #	88
7) Trichlorofluoromethane	3.273	101	50539	3.994	ug/l	89
8) Diethyl Ether	3.709	74	14137	3.972	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	34758	4.325	ug/l	92
10) Methyl Iodide	4.297	142	22723	3.236	ug/l	99
11) Tert butyl alcohol	5.220	59	11702	30.808	ug/l #	86
12) 1,1-Dichloroethene	4.062	96	30220	4.138	ug/l	95
13) Acrolein	3.920	56	9260	17.416	ug/l	97
14) Allyl chloride	4.715	41	41115	3.840	ug/l	99
15) Acrylonitrile	5.426	53	30350	18.127	ug/l	94
16) Acetone	4.162	43	27319	20.602	ug/l	88
17) Carbon Disulfide	4.403	76	100894	3.864	ug/l	96
18) Methyl Acetate	4.720	43	18586	4.831	ug/l	97
19) Methyl tert-butyl Ether	5.467	73	59449	3.929	ug/l	92
20) Methylene Chloride	4.956	84	107528	8.903	ug/l	98
21) trans-1,2-Dichloroethene	5.473	96	34694	4.032	ug/l	88
22) Diisopropyl ether	6.367	45	79825	3.431	ug/l	98
23) Vinyl Acetate	6.303	43	162261	14.559	ug/l	96
24) 1,1-Dichloroethane	6.256	63	64840	4.035	ug/l	97
25) 2-Butanone	7.214	43	34091	18.958	ug/l	94
26) 2,2-Dichloropropane	7.203	77	50204	4.109	ug/l	98
27) cis-1,2-Dichloroethene	7.214	96	37717	4.108	ug/l	95
28) Bromochloromethane	7.550	49	23955	3.926	ug/l	92
29) Tetrahydrofuran	7.561	42	21562	18.533	ug/l	96
30) Chloroform	7.703	83	70344	4.354	ug/l	98
31) Cyclohexane	7.979	56	63034	4.395	ug/l #	78
32) 1,1,1-Trichloroethane	7.908	97	55565	4.155	ug/l	98
36) 1,1-Dichloropropene	8.114	75	46888	3.614	ug/l	98
37) Ethyl Acetate	7.291	43	16381	3.468	ug/l #	95
38) Carbon Tetrachloride	8.097	117	44114	3.722	ug/l	99
39) Methylcyclohexane	9.350	83	55286	3.721	ug/l	93
40) Benzene	8.350	78	144279	3.838	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	9026	3.641	ug/l #	85
42) 1,2-Dichloroethane	8.420	62	41396	4.164	ug/l	95
43) Isopropyl Acetate	8.450	43	32586	3.847	ug/l	97
44) Trichloroethene	9.108	130	38201	4.127	ug/l	90
45) 1,2-Dichloropropane	9.385	63	37375	3.785	ug/l	92
46) Dibromomethane	9.473	93	19434	4.004	ug/l	97
47) Bromodichloromethane	9.661	83	49289	3.909	ug/l	97
48) Methyl methacrylate	9.450	41	13015	3.194	ug/l	87
49) 1,4-Dioxane	9.467	88	4131	80.566	ug/l #	95
51) 4-Methyl-2-Pentanone	10.226	43	78378	17.780	ug/l	97
52) Toluene	10.397	92	91469	4.011	ug/l	97
53) t-1,3-Dichloropropene	10.620	75	41197	3.892	ug/l	98
54) cis-1,3-Dichloropropene	10.091	75	49437	3.858	ug/l	97
55) 1,1,2-Trichloroethane	10.797	97	28919	4.219	ug/l	97
56) Ethyl methacrylate	10.655	69	27904	3.718	ug/l	94
57) 1,3-Dichloropropane	10.938	76	46770	4.032	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	63543	19.764	ug/l	100
59) 2-Hexanone	10.979	43	51651	17.714	ug/l	88
60) Dibromochloromethane	11.138	129	32079	4.132	ug/l	98
61) 1,2-Dibromoethane	11.238	107	25488	4.130	ug/l	99
64) Tetrachloroethene	10.873	164	29461	4.065	ug/l	98
65) Chlorobenzene	11.667	112	94391	4.008	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	34587	4.082	ug/l	99
67) Ethyl Benzene	11.738	91	151815	3.661	ug/l	99
68) m/p-Xylenes	11.849	106	112749	7.014	ug/l	96
69) o-Xylene	12.179	106	49496	3.387	ug/l	99
70) Styrene	12.191	104	82778	3.269	ug/l	98
71) Bromoform	12.349	173	16037	3.897	ug/l #	94
73) Isopropylbenzene	12.473	105	126911	3.376	ug/l	99
74) N-amyl acetate	12.285	43	27466	3.552	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	31087	4.141	ug/l	97
76) 1,2,3-Trichloropropane	12.773	75	20954m	3.768	ug/l	
77) Bromobenzene	12.755	156	34359	4.058	ug/l	99
78) n-propylbenzene	12.814	91	171962	3.562	ug/l	98
79) 2-Chlorotoluene	12.902	91	102732	3.663	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	109060	3.392	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	7311m	3.989	ug/l	
82) 4-Chlorotoluene	12.996	91	110676	3.775	ug/l	100
83) tert-Butylbenzene	13.214	119	92972	3.556	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	105581	3.328	ug/l	99
85) sec-Butylbenzene	13.391	105	142469	3.447	ug/l	99
86) p-Isopropyltoluene	13.508	119	107754	3.209	ug/l	98
87) 1,3-Dichlorobenzene	13.508	146	68072	3.830	ug/l	96
88) 1,4-Dichlorobenzene	13.591	146	72933	4.117	ug/l	94
89) n-Butylbenzene	13.832	91	112406	3.392	ug/l	98
90) Hexachloroethane	14.102	117	27644	3.887	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	60843	3.966	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.496	75	4503	4.166	ug/l	91
93) 1,2,4-Trichlorobenzene	15.149	180	31973	3.863	ug/l	98
94) Hexachlorobutadiene	15.249	225	20635	4.075	ug/l	95
95) Naphthalene	15.390	128	54208	3.669	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	27644	3.862	ug/l	96

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

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