

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051321\
 Data File : VD069152.D
 Acq On : 13 May 2021 12:51
 Operator : VA/SY
 Sample : M2262-03 4PPBMDL
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 5/14/2021 6:49:21 PM

Quant Time: May 14 02:04:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 14 02:03:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	270765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	471547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	446746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	204319	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	151154	55.69	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.38%			
35) Dibromofluoromethane	7.914	113	158952	51.80	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.60%			
50) Toluene-d8	10.338	98	574012	50.91	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.82%			
62) 4-Bromofluorobenzene	12.632	95	181578	50.05	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.10%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	12562	4.36	ug/l	99
3) Chloromethane	2.215	50	14889	4.50	ug/l	94
4) Vinyl Chloride	2.350	62	19981	4.58	ug/l	89
5) Bromomethane	2.773	94	17070	5.20	ug/l	86
6) Chloroethane	2.920	64	13746	4.90	ug/l	97
7) Trichlorofluoromethane	3.273	101	22983	4.32	ug/l	98
8) Diethyl Ether	3.709	74	5461	4.50	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.103	101	14670	4.87	ug/l #	69
10) Methyl Iodide	4.303	142	10528	3.66	ug/l #	91
11) Tert butyl alcohol	5.197	59	10902	58.77	ug/l #	73
12) 1,1-Dichloroethene	4.079	96	12047	4.45	ug/l	87
13) Acrolein	3.926	56	3998	18.10	ug/l	99
14) Allyl chloride	4.720	41	12774	4.30	ug/l	97
15) Acrylonitrile	5.420	53	9658	21.31	ug/l	96
16) Acetone	4.167	43	9315	22.41	ug/l	97
17) Carbon Disulfide	4.415	76	39744	4.43	ug/l #	93
18) Methyl Acetate	4.720	43	4865	4.82	ug/l #	74
19) Methyl tert-butyl Ether	5.479	73	19146	3.89	ug/l #	87
20) Methylene Chloride	4.962	84	32543	7.39	ug/l #	90
21) trans-1,2-Dichloroethene	5.485	96	14019	4.36	ug/l	84
22) Diisopropyl ether	6.367	45	23635	3.98	ug/l #	86
23) Vinyl Acetate	6.309	43	59597m	17.02	ug/l	
24) 1,1-Dichloroethane	6.267	63	23370	4.56	ug/l	94
25) 2-Butanone	7.214	43	11588	20.57	ug/l	99
26) 2,2-Dichloropropane	7.203	77	22513	4.70	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	15326	4.39	ug/l	97
28) Bromochloromethane	7.544	49	7535	4.12	ug/l	100
29) Tetrahydrofuran	7.561	42	5705	18.63	ug/l	90
30) Chloroform	7.714	83	27083	4.69	ug/l	94
31) Cyclohexane	7.985	56	22192	5.52	ug/l #	81
32) 1,1,1-Trichloroethane	7.908	97	24427	4.66	ug/l	99
36) 1,1-Dichloropropene	8.114	75	18726	4.08	ug/l	98
37) Ethyl Acetate	7.303	43	6551	4.45	ug/l #	88
38) Carbon Tetrachloride	8.103	117	21167	4.13	ug/l	96
39) Methylcyclohexane	9.355	83	17614	3.64	ug/l	89
40) Benzene	8.355	78	56050	4.27	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	2962	3.78	ug/l #	80
42) 1,2-Dichloroethane	8.426	62	15802	4.41	ug/l	94
43) Isopropyl Acetate	8.450	43	10983	4.11	ug/l	95
44) Trichloroethene	9.108	130	16512	4.50	ug/l	84
45) 1,2-Dichloropropane	9.385	63	12630	4.07	ug/l	94
46) Dibromomethane	9.473	93	7639	4.12	ug/l	94
47) Bromodichloromethane	9.667	83	20140	4.27	ug/l	95
48) Methyl methacrylate	9.455	41	5064	4.09	ug/l	90
49) 1,4-Dioxane	9.461	88	1200	68.86	ug/l #	79
51) 4-Methyl-2-Pentanone	10.232	43	25396	18.45	ug/l	96
52) Toluene	10.402	92	34467	4.07	ug/l	92
53) t-1,3-Dichloropropene	10.620	75	16111	3.89	ug/l	92
54) cis-1,3-Dichloropropene	10.091	75	18486	3.73	ug/l	93
55) 1,1,2-Trichloroethane	10.802	97	12042	4.82	ug/l	92
56) Ethyl methacrylate	10.661	69	8926	3.58	ug/l	98
57) 1,3-Dichloropropane	10.944	76	17500	4.34	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.944	63	20343	16.45	ug/l	98
59) 2-Hexanone	10.985	43	16561	18.03	ug/l	91
60) Dibromochloromethane	11.138	129	13373	4.17	ug/l	98
61) 1,2-Dibromoethane	11.244	107	10157	4.12	ug/l	99
64) Tetrachloroethene	10.873	164	14848	4.78	ug/l	97
65) Chlorobenzene	11.673	112	39028	4.22	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.738	131	14314	4.10	ug/l	96
67) Ethyl Benzene	11.744	91	59188	3.71	ug/l	95
68) m/p-Xylenes	11.849	106	43751	7.01	ug/l	96
69) o-Xylene	12.179	106	20630	3.71	ug/l	92
70) Styrene	12.191	104	33560	3.46	ug/l	95
71) Bromoform	12.361	173	7683	4.23	ug/l #	95
73) Isopropylbenzene	12.479	105	49769	3.49	ug/l	98
74) N-amyl acetate	12.285	43	8663	3.71	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.726	83	12447	4.81	ug/l	97
76) 1,2,3-Trichloropropane	12.779	75	7219m	4.70	ug/l	
77) Bromobenzene	12.755	156	14995	4.43	ug/l	99
78) n-propylbenzene	12.814	91	69326	4.02	ug/l	98
79) 2-Chlorotoluene	12.908	91	37562	3.92	ug/l	97
80) 1,3,5-Trimethylbenzene	12.955	105	42970	3.65	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.526	75	3127	4.11	ug/l	92
82) 4-Chlorotoluene	13.002	91	42022	4.11	ug/l	94
83) tert-Butylbenzene	13.220	119	38264	3.90	ug/l	96
84) 1,2,4-Trimethylbenzene	13.261	105	41907	3.54	ug/l	96
85) sec-Butylbenzene	13.396	105	52291	3.54	ug/l	98
86) p-Isopropyltoluene	13.514	119	47093	3.63	ug/l	99
87) 1,3-Dichlorobenzene	13.514	146	28898	4.21	ug/l	97
88) 1,4-Dichlorobenzene	13.590	146	31508	4.64	ug/l	95
89) n-Butylbenzene	13.838	91	45054	3.73	ug/l	96
90) Hexachloroethane	14.108	117	11223	4.62	ug/l	95
91) 1,2-Dichlorobenzene	13.885	146	24713	4.20	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.496	75	1754	4.37	ug/l	95
93) 1,2,4-Trichlorobenzene	15.155	180	13624	3.77	ug/l	95
94) Hexachlorobutadiene	15.267	225	8632	3.98	ug/l	91
95) Naphthalene	15.396	128	21461	3.55	ug/l	97
96) 1,2,3-Trichlorobenzene	15.585	180	12468	4.04	ug/l	95

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

