

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051121\
 Data File : VY004740.D
 Acq On : 11 May 2021 12:30
 Operator : SY/MD
 Sample : M2262-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2021

Manual Integrations
 APPROVED

MMDadoda
 5/12/2021 10:42:59 AM

Quant Time: May 12 01:21:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 12 01:21:01 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	190898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	312663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	279935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129360	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	121829	53.62	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.24%	
35) Dibromofluoromethane	7.728	113	99490	58.12	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.24%	
50) Toluene-d8	10.185	98	401148	51.88	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.76%	
62) 4-Bromofluorobenzene	12.483	95	127333	48.79	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.58%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	4543	2.60	ug/l	91
3) Chloromethane	2.119	50	7268	2.57	ug/l	92
4) Vinyl Chloride	2.259	62	7990	2.76	ug/l	93
5) Bromomethane	2.662	94	4421	2.99	ug/l	88
6) Chloroethane	2.802	64	4051	2.37	ug/l	89
7) Trichlorofluoromethane	3.137	101	9047	2.63	ug/l	99
8) Diethyl Ether	3.540	74	3546	2.92	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.924	101	5212	2.67	ug/l	99
10) Methyl Iodide	4.101	142	5964	2.86	ug/l	97
11) Tert butyl alcohol	4.966	59	4097	17.94	ug/l #	86
12) 1,1-Dichloroethene	3.887	96	4867	2.58	ug/l #	94
13) Acrolein	3.741	56	3223	12.01	ug/l	99
14) Allyl chloride	4.497	41	9275	2.52	ug/l	96
15) Acrylonitrile	5.180	53	7787	12.78	ug/l	98
16) Acetone	3.960	43	7655	15.00	ug/l	98
17) Carbon Disulfide	4.204	76	15753	2.73	ug/l	100
18) Methyl Acetate	4.497	43	4579	2.81	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	13145	2.53	ug/l	92
20) Methylene Chloride	4.729	84	13001	3.97	ug/l	96
21) trans-1,2-Dichloroethene	5.228	96	5527	2.58	ug/l	87
22) Diisopropyl ether	6.131	45	16148	2.28	ug/l	91
23) Vinyl Acetate	6.076	43	58261	10.94	ug/l	97
24) 1,1-Dichloroethane	6.027	63	9581	2.40	ug/l	96
25) 2-Butanone	7.009	43	10888	12.01	ug/l	98
26) 2,2-Dichloropropane	6.996	77	8441	2.42	ug/l	99
27) cis-1,2-Dichloroethene	7.003	96	5876	2.47	ug/l	97
28) Bromochloromethane	7.350	49	4569	2.34	ug/l #	98
29) Tetrahydrofuran	7.362	42	6727	11.63	ug/l	97
30) Chloroform	7.515	83	10093	2.57	ug/l	96
31) Cyclohexane	7.795	56	13051	3.55	ug/l #	65
32) 1,1,1-Trichloroethane	7.710	97	8245	2.34	ug/l	97
36) 1,1-Dichloropropene	7.929	75	8447	2.64	ug/l	98
37) Ethyl Acetate	7.088	43	5780	2.63	ug/l	97
38) Carbon Tetrachloride	7.905	117	5905	2.05	ug/l	98
39) Methylcyclohexane	9.185	83	8463	2.42	ug/l	98
40) Benzene	8.173	78	22615	2.50	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	2905	2.42	ug/l #	100
42) 1,2-Dichloroethane	8.246	62	7634	2.67	ug/l	95
43) Isopropyl Acetate	8.283	43	9589	2.35	ug/l	95
44) Trichloroethene	8.947	130	6108	2.51	ug/l	93
45) 1,2-Dichloropropane	9.222	63	5783	2.44	ug/l	95
46) Dibromomethane	9.313	93	3003	2.28	ug/l	95
47) Bromodichloromethane	9.502	83	7705	2.46	ug/l	99
48) Methyl methacrylate	9.301	41	4432	2.39	ug/l	95
49) 1,4-Dioxane	9.307	88	676	43.56	ug/l #	87
51) 4-Methyl-2-Pentanone	10.081	43	24516	11.18	ug/l	94
52) Toluene	10.252	92	14343	2.51	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	8756	2.53	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	9155	2.38	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	4408	2.43	ug/l	95
56) Ethyl methacrylate	10.514	69	5368	2.05	ug/l	97
57) 1,3-Dichloropropane	10.795	76	7559	2.34	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.789	63	14282	10.55	ug/l	99
59) 2-Hexanone	10.837	43	15553	10.47	ug/l	98
60) Dibromochloromethane	10.996	129	4712	2.18	ug/l	95
61) 1,2-Dibromoethane	11.093	107	4096	2.34	ug/l	98
64) Tetrachloroethene	10.721	164	6600	2.61	ug/l	94
65) Chlorobenzene	11.520	112	15115	2.62	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	5029	2.40	ug/l	90
67) Ethyl Benzene	11.599	91	26041	2.43	ug/l	96
68) m/p-Xylenes	11.709	106	19977	4.97	ug/l	94
69) o-Xylene	12.032	106	9369	2.49	ug/l	90
70) Styrene	12.050	104	14253	2.26	ug/l	99
71) Bromoform	12.215	173	2645	2.08	ug/l #	90
73) Isopropylbenzene	12.337	105	24564	2.52	ug/l	98
74) N-amyl acetate	12.148	43	7199	2.09	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	5170	2.65	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	3332m	2.43	ug/l	
77) Bromobenzene	12.611	156	6110	2.77	ug/l	95
78) n-propylbenzene	12.678	91	31012	2.60	ug/l	99
79) 2-Chlorotoluene	12.758	91	17808	2.73	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	20046	2.47	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.386	75	2110m	2.66	ug/l	
82) 4-Chlorotoluene	12.855	91	18067	2.66	ug/l	99
83) tert-Butylbenzene	13.081	119	17825	2.58	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	19340	2.38	ug/l	97
85) sec-Butylbenzene	13.258	105	26487	2.63	ug/l	100
86) p-Isopropyltoluene	13.373	119	21619	2.48	ug/l	98
87) 1,3-Dichlorobenzene	13.373	146	11637	2.69	ug/l	97
88) 1,4-Dichlorobenzene	13.453	146	12569	2.95	ug/l	88
89) n-Butylbenzene	13.703	91	21379	2.51	ug/l	99
90) Hexachloroethane	13.965	117	3260	2.65	ug/l	100
91) 1,2-Dichlorobenzene	13.745	146	10217	2.68	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.367	75	1203	3.31	ug/l	73
93) 1,2,4-Trichlorobenzene	15.007	180	6785	2.76	ug/l	96
94) Hexachlorobutadiene	15.117	225	3692	2.78	ug/l	98
95) Naphthalene	15.245	128	14535	2.73	ug/l	98
96) 1,2,3-Trichlorobenzene	15.428	180	6809	3.13	ug/l	90

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

