

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051021\
 Data File : VY004731.D
 Acq On : 10 May 2021 15:53
 Operator : SY/MD
 Sample : M2262-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/11/2021 10:36:03 AM

Quant Time: May 11 04:33:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:33:19 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	181642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	300463	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	272362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	127062	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	122159	56.50	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.00%			
35) Dibromofluoromethane	7.728	113	97983	59.57	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.14%			
50) Toluene-d8	10.185	98	400845	53.95	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.90%			
62) 4-Bromofluorobenzene	12.483	95	131256	52.34	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.68%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	4160	2.50	ug/l	95
3) Chloromethane	2.119	50	8218	3.05	ug/l	93
4) Vinyl Chloride	2.253	62	7216	2.62	ug/l	96
5) Bromomethane	2.662	94	4656	3.31	ug/l	99
6) Chloroethane	2.802	64	4189	2.57	ug/l	89
7) Trichlorofluoromethane	3.131	101	8933	2.73	ug/l	94
8) Diethyl Ether	3.540	74	3335	2.88	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.905	101	5152	2.77	ug/l	98
10) Methyl Iodide	4.100	142	6188	3.12	ug/l	97
11) Tert butyl alcohol	4.978	59	4268	19.64	ug/l #	86
12) 1,1-Dichloroethene	3.875	96	4736	2.64	ug/l	95
13) Acrolein	3.735	56	3361	13.16	ug/l	98
14) Allyl chloride	4.485	41	9683	2.76	ug/l	95
15) Acrylonitrile	5.180	53	7574	13.06	ug/l #	88
16) Acetone	3.960	43	8500	17.50	ug/l	90
17) Carbon Disulfide	4.198	76	15489	2.82	ug/l	96
18) Methyl Acetate	4.491	43	4735	3.06	ug/l	100
19) Methyl tert-butyl Ether	5.228	73	12583	2.55	ug/l	95
20) Methylene Chloride	4.728	84	23408	7.52	ug/l	94
21) trans-1,2-Dichloroethene	5.228	96	5541	2.72	ug/l	94
22) Diisopropyl ether	6.131	45	16777	2.49	ug/l	95
23) Vinyl Acetate	6.076	43	59638	11.77	ug/l	99
24) 1,1-Dichloroethane	6.027	63	10123	2.67	ug/l	98
25) 2-Butanone	6.996	43	11378	13.19	ug/l	94
26) 2,2-Dichloropropane	6.996	77	8537	2.57	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	6292	2.78	ug/l	93
28) Bromochloromethane	7.344	49	4453	2.40	ug/l #	96
29) Tetrahydrofuran	7.362	42	6718	12.21	ug/l	99
30) Chloroform	7.514	83	9918	2.65	ug/l	93
31) Cyclohexane	7.795	56	12370	3.53	ug/l #	60
32) 1,1,1-Trichloroethane	7.716	97	9084	2.71	ug/l	98
36) 1,1-Dichloropropene	7.923	75	8923	2.90	ug/l	93
37) Ethyl Acetate	7.082	43	5984	2.84	ug/l	99
38) Carbon Tetrachloride	7.911	117	5840	2.11	ug/l #	89
39) Methylcyclohexane	9.185	83	8538	2.54	ug/l	95
40) Benzene	8.167	78	23031	2.65	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	2516m	2.18	ug/l	
42) 1,2-Dichloroethane	8.246	62	7417	2.70	ug/l	99
43) Isopropyl Acetate	8.277	43	9840	2.51	ug/l	93
44) Trichloroethene	8.947	130	6453	2.76	ug/l	94
45) 1,2-Dichloropropane	9.222	63	5720	2.51	ug/l	96
46) Dibromomethane	9.313	93	3261	2.57	ug/l	95
47) Bromodichloromethane	9.502	83	7354	2.45	ug/l	97
48) Methyl methacrylate	9.295	41	4014	2.25	ug/l	96
49) 1,4-Dioxane	9.295	88	738	49.49	ug/l #	80
51) 4-Methyl-2-Pentanone	10.075	43	24909	11.82	ug/l	99
52) Toluene	10.246	92	14688	2.67	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	8781	2.64	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	9495	2.56	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	4238	2.43	ug/l	91
56) Ethyl methacrylate	10.514	69	5262	2.09	ug/l	91
57) 1,3-Dichloropropane	10.794	76	7489	2.42	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	14303	10.99	ug/l	97
59) 2-Hexanone	10.837	43	16280	11.40	ug/l	100
60) Dibromochloromethane	10.989	129	5020	2.42	ug/l	95
61) 1,2-Dibromoethane	11.093	107	4097	2.44	ug/l	96
64) Tetrachloroethene	10.721	164	6904	2.81	ug/l	94
65) Chlorobenzene	11.520	112	15404	2.75	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	4887	2.40	ug/l	89
67) Ethyl Benzene	11.593	91	27490	2.64	ug/l	96
68) m/p-Xylenes	11.703	106	19617	5.01	ug/l	98
69) o-Xylene	12.032	106	8974	2.45	ug/l	98
70) Styrene	12.044	104	14124	2.30	ug/l	98
71) Bromoform	12.209	173	2927	2.37	ug/l #	98
73) Isopropylbenzene	12.331	105	24543	2.56	ug/l	100
74) N-amyl acetate	12.148	43	7574	2.23	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.587	83	4916	2.57	ug/l	94
76) 1,2,3-Trichloropropane	12.629	75	3854m	2.86	ug/l	
77) Bromobenzene	12.611	156	5928	2.74	ug/l	100
78) n-propylbenzene	12.672	91	31157	2.66	ug/l	99
79) 2-Chlorotoluene	12.757	91	17848	2.78	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	20207	2.54	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	2080m	2.67	ug/l	
82) 4-Chlorotoluene	12.855	91	18473	2.77	ug/l	99
83) tert-Butylbenzene	13.074	119	18044	2.66	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	19966	2.51	ug/l	96
85) sec-Butylbenzene	13.257	105	26576	2.69	ug/l	99
86) p-Isopropyltoluene	13.373	119	21989	2.57	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	12146	2.86	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	12877	3.08	ug/l	90
89) n-Butylbenzene	13.696	91	22174	2.65	ug/l	99
90) Hexachloroethane	13.958	117	3149	2.61	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	10812	2.89	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	1245m	3.48	ug/l	
93) 1,2,4-Trichlorobenzene	15.013	180	7218	2.99	ug/l	96
94) Hexachlorobutadiene	15.117	225	4175	3.19	ug/l	96
95) Naphthalene	15.239	128	15409	2.95	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	6492	3.04	ug/l	94

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

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