

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042921\
 Data File : VY004670.D
 Acq On : 29 Apr 2021 19:30
 Operator : SY/MD
 Sample : M2217-03MSD
 Misc : 4.34G/5ML/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HTRCV2-COMP-CF01-01MSD

Manual Integrations
 APPROVED

MMDadoda
 4/30/2021 10:49:11 AM

Quant Time: Apr 30 04:34:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	124216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	216306	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	153527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	38202	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	94143	68.21	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 136.42%			
35) Dibromofluoromethane	7.728	113	66689	55.56	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.12%			
50) Toluene-d8	10.185	98	246750	48.33	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.66%			
62) 4-Bromofluorobenzene	12.483	95	57349	33.10	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 66.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	64565	56.10	ug/l	98
3) Chloromethane	2.119	50	105334	63.29	ug/l	100
4) Vinyl Chloride	2.253	62	109274	62.17	ug/l	99
5) Bromomethane	2.650	94	60347	70.37	ug/l	96
6) Chloroethane	2.796	64	70831	67.22	ug/l	98
7) Trichlorofluoromethane	3.131	101	129964	59.12	ug/l	100
8) Diethyl Ether	3.534	74	50648	68.18	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.906	101	61251	50.23	ug/l	99
10) Methyl Iodide	4.101	142	83260	57.06	ug/l	97
11) Tert butyl alcohol	4.979	59	47932	352.41	ug/l	99
12) 1,1-Dichloroethene	3.881	96	68049	56.44	ug/l	96
13) Acrolein	3.735	56	27852	184.21	ug/l	97
14) Allyl chloride	4.491	41	143394	62.18	ug/l	99
15) Acrylonitrile	5.180	53	134573	337.62	ug/l	98
16) Acetone	3.954	43	92232	320.27	ug/l	97
17) Carbon Disulfide	4.204	76	178025	47.95	ug/l	99
18) Methyl Acetate	4.485	43	343864	357.71	ug/l	99
19) Methyl tert-butyl Ether	5.235	73	254275	70.18	ug/l	99
20) Methylene Chloride	4.722	84	114575	85.95	ug/l	96
21) trans-1,2-Dichloroethene	5.228	96	79762	58.47	ug/l	95
22) Diisopropyl ether	6.131	45	311861	63.98	ug/l	94
23) Vinyl Acetate	6.131	43	173015	52.14	ug/l #	75
24) 1,1-Dichloroethane	6.033	63	158374	63.60	ug/l	98
25) 2-Butanone	6.996	43	167652	318.90	ug/l	98
26) 2,2-Dichloropropane	6.990	77	133405	59.70	ug/l	100
27) cis-1,2-Dichloroethene	7.003	96	93596	61.32	ug/l	99
28) Bromochloromethane	7.344	49	81831	72.30	ug/l	98
29) Tetrahydrofuran	7.362	42	129827	345.64	ug/l	99
30) Chloroform	7.515	83	156692	64.03	ug/l	100
31) Cyclohexane	7.789	56	103030	40.72	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	135932	61.23	ug/l	99
36) 1,1-Dichloropropene	7.923	75	92775	43.16	ug/l	98
37) Ethyl Acetate	7.088	43	13439	9.71	ug/l #	79
38) Carbon Tetrachloride	7.905	117	100169	53.91	ug/l	99
39) Methylcyclohexane	9.185	83	70807	26.76	ug/l	99
40) Benzene	8.167	78	337544	55.88	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	44570m	53.13	ug/l	
42) 1,2-Dichloroethane	8.246	62	115448	60.93	ug/l	100
43) Isopropyl Acetate	8.283	43	115050	43.85	ug/l #	88
44) Trichloroethene	8.947	130	77111	46.82	ug/l	97
45) 1,2-Dichloropropane	9.222	63	89864	57.64	ug/l	100
46) Dibromomethane	9.313	93	50573	59.59	ug/l	97
47) Bromodichloromethane	9.502	83	121661	59.21	ug/l	99
48) Methyl methacrylate	9.301	41	104405	86.40	ug/l	96
49) 1,4-Dioxane	9.301	88	15119	1363.95	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	441786	327.77	ug/l	99
52) Toluene	10.246	92	182254	46.63	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	118471	52.28	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	135222	52.54	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	69115	59.10	ug/l	98
56) Ethyl methacrylate	10.514	69	61174	36.07	ug/l	97
57) 1,3-Dichloropropane	10.795	76	119017	57.03	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	272093	313.57	ug/l	99
59) 2-Hexanone	10.837	43	281929	312.03	ug/l	98
60) Dibromochloromethane	10.990	129	77656	55.88	ug/l	100
61) 1,2-Dibromoethane	11.093	107	61141	54.23	ug/l	98
64) Tetrachloroethene	10.721	164	69190	51.77	ug/l	97
65) Chlorobenzene	11.520	112	162025	51.72	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	76835	68.71	ug/l	100
67) Ethyl Benzene	11.593	91	277140	47.28	ug/l	100
68) m/p-Xylenes	11.703	106	178352	81.88	ug/l	98
69) o-Xylene	12.032	106	107092	52.46	ug/l	99
70) Styrene	12.044	104	156337	46.24	ug/l	97
71) Bromoform	12.209	173	43086	64.96	ug/l #	100
73) Isopropylbenzene	12.331	105	217224	73.59	ug/l	100
74) N-amyl acetate	12.148	43	51901	52.22	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	70535	126.30	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	54530m	132.99	ug/l	
77) Bromobenzene	12.611	156	54273	82.02	ug/l	92
78) n-propylbenzene	12.672	91	188738	54.12	ug/l	99
79) 2-Chlorotoluene	12.758	91	133410	69.95	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	163517	68.15	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	26191	114.27	ug/l #	73
82) 4-Chlorotoluene	12.855	91	115862	57.53	ug/l	100
83) tert-Butylbenzene	13.075	119	137917	67.16	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	105479	43.56	ug/l	99
85) sec-Butylbenzene	13.258	105	120135	41.94	ug/l	100
86) p-Isopropyltoluene	13.373	119	109071	41.86	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	60489	48.94	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	60959	49.00	ug/l	100
89) n-Butylbenzene	13.696	91	59488	23.92	ug/l	97
90) Hexachloroethane	13.965	117	22571	64.56	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	63713	58.08	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	12108	120.81	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	13407	18.48	ug/l	98
94) Hexachlorobutadiene	15.117	225	6420	16.95	ug/l	95
95) Naphthalene	15.239	128	66855	42.40	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	14553	22.74	ug/l	98

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

