

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020321\
 Data File : VY003978.D
 Acq On : 03 Feb 2021 22:30
 Operator : SY/MD
 Sample : M1291-14MSD
 Misc : 5.58g/5mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU421-008-0510MSD

Manual Integrations
 APPROVED

MMDadoda
 2/4/2021 11:08:22 AM

Quant Time: Feb 04 01:25:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 01 00:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	38233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	56337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	50672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	24073	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	21162	50.34	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.68%			
35) Dibromofluoromethane	7.728	113	17412	52.86	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.72%			
50) Toluene-d8	10.185	98	62393	48.27	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.54%			
62) 4-Bromofluorobenzene	12.483	95	22410	47.56	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.12%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	20383	53.78	ug/l	97
3) Chloromethane	2.119	50	24187	50.67	ug/l	98
4) Vinyl Chloride	2.259	62	25219	50.68	ug/l	96
5) Bromomethane	2.656	94	16879	47.61	ug/l	88
6) Chloroethane	2.802	64	14978	48.02	ug/l	94
7) Trichlorofluoromethane	3.137	101	35343	51.24	ug/l	95
8) Diethyl Ether	3.546	74	10740	49.78	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.918	101	17705	49.74	ug/l	95
10) Methyl Iodide	4.107	142	21898	49.72	ug/l	99
11) Tert butyl alcohol	4.966	59	10742	280.23	ug/l #	93
12) 1,1-Dichloroethene	3.881	96	17055	49.42	ug/l	96
13) Acrolein	3.741	56	8691	224.24	ug/l	98
14) Allyl chloride	4.497	41	29354	46.19	ug/l	93
15) Acrylonitrile	5.180	53	29344	267.25	ug/l	99
16) Acetone	3.960	43	27712	268.53	ug/l	95
17) Carbon Disulfide	4.210	76	52131	45.96	ug/l	98
18) Methyl Acetate	4.491	43	22981	89.34	ug/l	95
19) Methyl tert-butyl Ether	5.241	73	56002	53.15	ug/l	94
20) Methylene Chloride	4.728	84	21822	49.80	ug/l	96
21) trans-1,2-Dichloroethene	5.234	96	19368	48.77	ug/l	87
22) Diisopropyl ether	6.131	45	60017	47.47	ug/l	97
23) Vinyl Acetate	6.076	43	148617	172.51	ug/l	97
24) 1,1-Dichloroethane	6.033	63	34562	49.32	ug/l	99
25) 2-Butanone	7.002	43	36380	247.41	ug/l	96
26) 2,2-Dichloropropane	6.996	77	31101	46.57	ug/l	98
27) cis-1,2-Dichloroethene	7.002	96	21895	49.68	ug/l	95
28) Bromochloromethane	7.350	49	15773	52.24	ug/l #	79
29) Tetrahydrofuran	7.356	42	23574	251.53	ug/l #	87
30) Chloroform	7.521	83	37318	50.66	ug/l	96
31) Cyclohexane	7.795	56	30032	42.54	ug/l #	87
32) 1,1,1-Trichloroethane	7.710	97	34055	50.12	ug/l	97
36) 1,1-Dichloropropene	7.923	75	27396	48.08	ug/l	98
37) Ethyl Acetate	7.082	43	16623	51.57	ug/l	97
38) Carbon Tetrachloride	7.911	117	31567	51.27	ug/l	98
39) Methylcyclohexane	9.191	83	29888	44.01	ug/l	93
40) Benzene	8.167	78	76868	48.80	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	10587m	49.80	ug/l	
42) 1,2-Dichloroethane	8.246	62	27662	51.01	ug/l	99
43) Isopropyl Acetate	8.277	43	31173	49.72	ug/l	93
44) Trichloroethene	8.947	130	21769	50.01	ug/l	99
45) 1,2-Dichloropropane	9.222	63	19193	49.22	ug/l	100
46) Dibromomethane	9.313	93	12532	56.25	ug/l	93
47) Bromodichloromethane	9.502	83	29912	51.91	ug/l	98
48) Methyl methacrylate	9.295	41	16612	54.24	ug/l	95
49) 1,4-Dioxane	9.295	88	3179	1341.71	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	82913	258.94	ug/l	93
52) Toluene	10.246	92	49695	49.98	ug/l	95
53) t-1,3-Dichloropropene	10.471	75	29857	49.20	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	32709	48.60	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	16753	54.25	ug/l	94
56) Ethyl methacrylate	10.514	69	21963	49.82	ug/l	94
57) 1,3-Dichloropropane	10.794	76	29103	52.61	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	50176	251.00	ug/l	95
59) 2-Hexanone	10.837	43	56968	253.82	ug/l	91
60) Dibromochloromethane	10.990	129	21614	53.70	ug/l	98
61) 1,2-Dibromoethane	11.093	107	16308	52.78	ug/l	99
64) Tetrachloroethene	10.721	164	25278	55.63	ug/l	99
65) Chlorobenzene	11.520	112	50636	49.30	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	21359	53.30	ug/l	99
67) Ethyl Benzene	11.593	91	93489	48.55	ug/l	98
68) m/p-Xylenes	11.703	106	69537	97.43	ug/l	99
69) o-Xylene	12.032	106	32850	49.48	ug/l	99
70) Styrene	12.044	104	54687	47.74	ug/l	100
71) Bromoform	12.209	173	14421	56.23	ug/l #	97
73) Isopropylbenzene	12.331	105	89713	52.07	ug/l	98
74) N-amyl acetate	12.148	43	22636	44.69	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.587	83	17460	55.88	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	13406m	55.28	ug/l	
77) Bromobenzene	12.611	156	23030	53.92	ug/l	95
78) n-propylbenzene	12.672	91	100916	49.22	ug/l	99
79) 2-Chlorotoluene	12.757	91	60236	51.31	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	76598	51.80	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	7025	55.36	ug/l	95
82) 4-Chlorotoluene	12.855	91	60370	48.61	ug/l	99
83) tert-Butylbenzene	13.075	119	64099	52.14	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	75101	50.67	ug/l	99
85) sec-Butylbenzene	13.251	105	82859	48.64	ug/l	99
86) p-Isopropyltoluene	13.367	119	77660	48.87	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	39293	48.82	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	37715	47.44	ug/l	99
89) n-Butylbenzene	13.696	91	63307	42.91	ug/l	98
90) Hexachloroethane	13.965	117	13886	47.73	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	35089	48.93	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3391	52.64	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	18935	38.15	ug/l	97
94) Hexachlorobutadiene	15.111	225	12192	38.22	ug/l	98
95) Naphthalene	15.233	128	36296	38.96	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	15317	35.82	ug/l	98

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

