

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020321\
 Data File : VY003977.D
 Acq On : 03 Feb 2021 22:07
 Operator : SY/MD
 Sample : M1291-13MS
 Misc : 5.49g/5mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU421-008-0510MS

Manual Integrations
 APPROVED

MMDadoda
 2/9/2021 12:47:13 PM

Quant Time: Feb 04 01:24:30 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	93769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	137078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	125672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	59499	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	49900	48.39	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.78%		
35) Dibromofluoromethane	7.728	113	43233	53.94	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	107.88%		
50) Toluene-d8	10.185	98	161009	51.19	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.38%		
62) 4-Bromofluorobenzene	12.483	95	55897	48.75	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.50%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	38001	40.88	ug/l	99
3) Chloromethane	2.119	50	44405	37.93	ug/l	95
4) Vinyl Chloride	2.260	62	49224	40.33	ug/l	97
5) Bromomethane	2.662	94	37922	43.62	ug/l	93
6) Chloroethane	2.802	64	33139	43.32	ug/l	96
7) Trichlorofluoromethane	3.137	101	79168	46.80	ug/l	94
8) Diethyl Ether	3.540	74	24691	46.66	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.918	101	41773	47.85	ug/l	96
10) Methyl Iodide	4.107	142	52026	48.17	ug/l	98
11) Tert butyl alcohol	4.979	59	19349	200.78	ug/l #	90
12) 1,1-Dichloroethene	3.887	96	40079	47.36	ug/l	96
13) Acrolein	3.741	56	17663	185.82	ug/l	96
14) Allyl chloride	4.497	41	70826	45.45	ug/l	98
15) Acrylonitrile	5.180	53	60306	223.94	ug/l	98
16) Acetone	3.960	43	47241	186.64	ug/l	96
17) Carbon Disulfide	4.204	76	122929	44.19	ug/l	97
18) Methyl Acetate	4.491	43	48837	77.41	ug/l	94
19) Methyl tert-butyl Ether	5.241	73	122823	47.52	ug/l	94
20) Methylene Chloride	4.729	84	47200	43.92	ug/l	94
21) trans-1,2-Dichloroethene	5.235	96	46080	47.31	ug/l	93
22) Diisopropyl ether	6.137	45	143519	46.28	ug/l	93
23) Vinyl Acetate	6.076	43	321916	152.36	ug/l	97
24) 1,1-Dichloroethane	6.039	63	79816	46.44	ug/l	99
25) 2-Butanone	7.003	43	74937	207.80	ug/l	91
26) 2,2-Dichloropropane	6.990	77	72116	44.03	ug/l	98
27) cis-1,2-Dichloroethene	7.003	96	50826	47.02	ug/l	97
28) Bromochloromethane	7.344	49	36519	49.32	ug/l #	18
29) Tetrahydrofuran	7.356	42	50008	217.56	ug/l	89
30) Chloroform	7.515	83	84961	47.03	ug/l	98
31) Cyclohexane	7.795	56	71383	41.23	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	79393	47.64	ug/l	96
36) 1,1-Dichloropropene	7.929	75	63242	45.62	ug/l	99
37) Ethyl Acetate	7.088	43	32749	41.76	ug/l	96
38) Carbon Tetrachloride	7.911	117	70951	47.36	ug/l	95
39) Methylcyclohexane	9.191	83	72544	43.90	ug/l	95
40) Benzene	8.167	78	181283	47.30	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	21403m	41.38	ug/l	
42) 1,2-Dichloroethane	8.246	62	61273	46.44	ug/l	99
43) Isopropyl Acetate	8.283	43	64944	42.57	ug/l	93
44) Trichloroethene	8.947	130	51679	48.80	ug/l	97
45) 1,2-Dichloropropane	9.222	63	45068	47.50	ug/l	100
46) Dibromomethane	9.313	93	26855	49.54	ug/l	95
47) Bromodichloromethane	9.502	83	67160	47.90	ug/l	96
48) Methyl methacrylate	9.295	41	34361	46.11	ug/l	93
49) 1,4-Dioxane	9.301	88	5531	959.39	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	174125	223.49	ug/l	93
52) Toluene	10.246	92	115805	47.87	ug/l	97
53) t-1,3-Dichloropropene	10.471	75	68102	46.12	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	77076	47.07	ug/l	93
55) 1,1,2-Trichloroethane	10.648	97	37275	49.61	ug/l	95
56) Ethyl methacrylate	10.514	69	47370	44.16	ug/l	91
57) 1,3-Dichloropropane	10.795	76	64354	47.81	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	113319	232.97	ug/l	95
59) 2-Hexanone	10.837	43	120965	221.50	ug/l	93
60) Dibromochloromethane	10.990	129	49450	50.49	ug/l	98
61) 1,2-Dibromoethane	11.093	107	36379	48.39	ug/l	98
64) Tetrachloroethene	10.721	164	55288	49.06	ug/l	97
65) Chlorobenzene	11.520	112	119954	47.09	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	49596	49.91	ug/l	97
67) Ethyl Benzene	11.593	91	223899	46.88	ug/l	98
68) m/p-Xylenes	11.703	106	164453	92.91	ug/l	100
69) o-Xylene	12.032	106	78990	47.97	ug/l	97
70) Styrene	12.044	104	131887	46.42	ug/l	99
71) Bromoform	12.209	173	32308	50.80	ug/l #	96
73) Isopropylbenzene	12.331	105	214799	50.44	ug/l	99
74) N-amyl acetate	12.142	43	48592	38.82	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	40438	52.36	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	29734m	49.60	ug/l	
77) Bromobenzene	12.611	156	54225	51.37	ug/l	93
78) n-propylbenzene	12.672	91	241853	47.73	ug/l	100
79) 2-Chlorotoluene	12.758	91	139895	48.21	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	178748	48.91	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	15327	48.87	ug/l	97
82) 4-Chlorotoluene	12.855	91	143329	46.70	ug/l	99
83) tert-Butylbenzene	13.075	119	154121	50.72	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	176926	48.30	ug/l	99
85) sec-Butylbenzene	13.251	105	201978	47.97	ug/l	99
86) p-Isopropyltoluene	13.373	119	186159	47.39	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	92668	46.58	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	91675	46.66	ug/l	99
89) n-Butylbenzene	13.696	91	155329	42.59	ug/l	100
90) Hexachloroethane	13.965	117	35370	49.19	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	83398	47.05	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	7550	47.42	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	44969	36.66	ug/l	99
94) Hexachlorobutadiene	15.111	225	30519	38.71	ug/l	100
95) Naphthalene	15.239	128	83950	36.46	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	38028	35.98	ug/l	99

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

