

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031821\
 Data File : VY004126.D
 Acq On : 18 Mar 2021 17:40
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/19/2021 3:32:15 PM

Quant Time: Mar 19 02:31:24 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	201972	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	313384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	284257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	142152	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	94465	47.39	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.78%		
35) Dibromofluoromethane	7.728	113	91081	51.54	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.08%		
50) Toluene-d8	10.185	98	338462	48.85	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.70%		
62) 4-Bromofluorobenzene	12.483	95	123995	48.46	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	96.92%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	66810	47.72	ug/l	96
3) Chloromethane	2.119	50	89096	45.62	ug/l	96
4) Vinyl Chloride	2.259	62	108065	44.27	ug/l	99
5) Bromomethane	2.656	94	75645	48.51	ug/l	95
6) Chloroethane	2.802	64	69931	47.04	ug/l	98
7) Trichlorofluoromethane	3.137	101	156434	48.22	ug/l	99
8) Diethyl Ether	3.540	74	51872	49.89	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.912	101	88998	49.05	ug/l	99
10) Methyl Iodide	4.101	142	95811	51.67	ug/l	100
11) Tert butyl alcohol	4.966	59	41411	229.80	ug/l	96
12) 1,1-Dichloroethene	3.887	96	85659	48.24	ug/l	90
13) Acrolein	3.735	56	40658	227.44	ug/l	98
14) Allyl chloride	4.491	41	129912	44.23	ug/l #	89
15) Acrylonitrile	5.180	53	121448	235.00	ug/l	100
16) Acetone	3.960	43	94249	195.90	ug/l	93
17) Carbon Disulfide	4.204	76	224931	43.08	ug/l	98
18) Methyl Acetate	4.491	43	57093	48.03	ug/l	92
19) Methyl tert-butyl Ether	5.234	73	255049	50.44	ug/l	100
20) Methylene Chloride	4.735	84	103487	53.87	ug/l	92
21) trans-1,2-Dichloroethene	5.234	96	98102	49.17	ug/l	95
22) Diisopropyl ether	6.131	45	292654	47.21	ug/l	95
23) Vinyl Acetate	6.076	43	942425	230.92	ug/l #	94
24) 1,1-Dichloroethane	6.033	63	168730	49.02	ug/l	100
25) 2-Butanone	6.996	43	152991	220.60	ug/l	92
26) 2,2-Dichloropropane	6.996	77	158978	48.35	ug/l	99
27) cis-1,2-Dichloroethene	7.002	96	115148	50.70	ug/l	91
28) Bromochloromethane	7.344	49	70799	47.10	ug/l	84
29) Tetrahydrofuran	7.356	42	101422	225.11	ug/l	91
30) Chloroform	7.521	83	183782	51.53	ug/l	100
31) Cyclohexane	7.795	56	146459	41.89	ug/l	91
32) 1,1,1-Trichloroethane	7.710	97	168540	50.93	ug/l	99
36) 1,1-Dichloropropene	7.929	75	136623	49.62	ug/l	98
37) Ethyl Acetate	7.088	43	70657	47.64	ug/l	97
38) Carbon Tetrachloride	7.911	117	152837	52.32	ug/l	98
39) Methylcyclohexane	9.191	83	169945	47.79	ug/l	92
40) Benzene	8.167	78	395012	50.93	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	44906m	48.87	ug/l	
42) 1,2-Dichloroethane	8.246	62	123047	51.91	ug/l	96
43) Isopropyl Acetate	8.283	43	139189	46.77	ug/l	95
44) Trichloroethene	8.947	130	122580	54.58	ug/l	97
45) 1,2-Dichloropropane	9.222	63	97905	50.56	ug/l	98
46) Dibromomethane	9.313	93	59047	53.34	ug/l	97
47) Bromodichloromethane	9.502	83	146065	52.85	ug/l	99
48) Methyl methacrylate	9.301	41	65740	46.49	ug/l	87
49) 1,4-Dioxane	9.301	88	15059	1068.56	ug/l #	87
51) 4-Methyl-2-Pentanone	10.075	43	360368	239.11	ug/l	96
52) Toluene	10.246	92	259592	51.68	ug/l	97
53) t-1,3-Dichloropropene	10.471	75	149669	51.33	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	168420	51.55	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	83395	53.57	ug/l	98
56) Ethyl methacrylate	10.514	69	107597	49.44	ug/l	93
57) 1,3-Dichloropropane	10.794	76	139887	52.47	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	196091	228.68	ug/l	93
59) 2-Hexanone	10.837	43	247194	233.45	ug/l	97
60) Dibromochloromethane	10.990	129	108439	55.48	ug/l	99
61) 1,2-Dibromoethane	11.093	107	80822	53.31	ug/l	99
64) Tetrachloroethene	10.721	164	135990	57.15	ug/l	96
65) Chlorobenzene	11.520	112	291034	53.43	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	110827	54.39	ug/l	100
67) Ethyl Benzene	11.593	91	511257	51.12	ug/l	97
68) m/p-Xylenes	11.703	106	394842	103.52	ug/l	94
69) o-Xylene	12.032	106	186701	51.78	ug/l	95
70) Styrene	12.044	104	320379	51.89	ug/l	97
71) Bromoform	12.209	173	67138	55.06	ug/l #	99
73) Isopropylbenzene	12.331	105	512376	51.86	ug/l	99
74) N-amyl acetate	12.148	43	129070	45.61	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	81962	47.76	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	65288m	47.90	ug/l	
77) Bromobenzene	12.611	156	124767	54.66	ug/l	95
78) n-propylbenzene	12.672	91	591383	50.81	ug/l	97
79) 2-Chlorotoluene	12.757	91	335200	51.30	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	431031	51.44	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	32786	47.47	ug/l	96
82) 4-Chlorotoluene	12.855	91	345175	49.91	ug/l	96
83) tert-Butylbenzene	13.075	119	380881	52.83	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	433380	51.64	ug/l	97
85) sec-Butylbenzene	13.257	105	517076	52.01	ug/l	98
86) p-Isopropyltoluene	13.373	119	479556	52.03	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	235784	53.51	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	233287	53.05	ug/l	99
89) n-Butylbenzene	13.696	91	439720	50.13	ug/l	98
90) Hexachloroethane	13.965	117	85252	51.47	ug/l	87
91) 1,2-Dichlorobenzene	13.739	146	210956	53.98	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	15822	48.79	ug/l	88
93) 1,2,4-Trichlorobenzene	15.007	180	138565	52.28	ug/l	98
94) Hexachlorobutadiene	15.117	225	77065	51.87	ug/l	99
95) Naphthalene	15.239	128	277691	52.88	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	118009	52.96	ug/l	99

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

