

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
 Data File : VY004094.D
 Acq On : 17 Mar 2021 10:09
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/18/2021 2:18:42 PM

Quant Time: Mar 18 01:46:20 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	222929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	350857	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	311132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	157974	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	104215	47.37	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.74%
35) Dibromofluoromethane	7.728	113	100952	51.02	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.04%
50) Toluene-d8	10.185	98	378015	48.73	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.46%
62) 4-Bromofluorobenzene	12.483	95	138593	48.38	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.76%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	71559	46.13	ug/l	99
3) Chloromethane	2.119	50	103084	48.03	ug/l	98
4) Vinyl Chloride	2.259	62	122561	45.49	ug/l	99
5) Bromomethane	2.656	94	81131	47.13	ug/l	95
6) Chloroethane	2.802	64	79917	48.71	ug/l	97
7) Trichlorofluoromethane	3.137	101	173456	48.44	ug/l	99
8) Diethyl Ether	3.539	74	56931	49.60	ug/l	82
9) 1,1,2-Trichlorotrifluo...	3.911	101	100431	50.14	ug/l	98
10) Methyl Iodide	4.100	142	108761	53.14	ug/l	99
11) Tert butyl alcohol	4.972	59	44293	222.68	ug/l	96
12) 1,1-Dichloroethene	3.887	96	94899	48.42	ug/l	92
13) Acrolein	3.741	56	49880	252.80	ug/l	97
14) Allyl chloride	4.497	41	147403	45.47	ug/l #	90
15) Acrylonitrile	5.179	53	133553	234.13	ug/l	98
16) Acetone	3.960	43	151271	284.87	ug/l	94
17) Carbon Disulfide	4.204	76	261482	45.37	ug/l	97
18) Methyl Acetate	4.491	43	61335	46.75	ug/l	91
19) Methyl tert-butyl Ether	5.234	73	276517	49.55	ug/l	100
20) Methylene Chloride	4.734	84	109439	51.38	ug/l	90
21) trans-1,2-Dichloroethene	5.234	96	109996	49.95	ug/l	95
22) Diisopropyl ether	6.130	45	322504	47.13	ug/l	95
23) Vinyl Acetate	6.070	43	1034138	229.57	ug/l	95
24) 1,1-Dichloroethane	6.033	63	185297	48.77	ug/l	99
25) 2-Butanone	6.996	43	185241	241.99	ug/l	91
26) 2,2-Dichloropropane	6.996	77	180871	49.84	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	127928	51.03	ug/l	91
28) Bromochloromethane	7.344	49	76718	46.24	ug/l	86
29) Tetrahydrofuran	7.356	42	110694	222.60	ug/l	92
30) Chloroform	7.520	83	199442	50.66	ug/l	100
31) Cyclohexane	7.795	56	166355	43.11	ug/l	88
32) 1,1,1-Trichloroethane	7.709	97	187274	51.28	ug/l	99
36) 1,1-Dichloropropene	7.929	75	152239	49.39	ug/l	97
37) Ethyl Acetate	7.082	43	76709	46.20	ug/l	98
38) Carbon Tetrachloride	7.911	117	169583	51.85	ug/l	98
39) Methylcyclohexane	9.185	83	191300	48.05	ug/l	92
40) Benzene	8.167	78	438978	50.56	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.331	41	42410m	41.22	ug/l	
42) 1,2-Dichloroethane	8.246	62	131147	49.42	ug/l	97
43) Isopropyl Acetate	8.283	43	152538	45.78	ug/l	96
44) Trichloroethene	8.947	130	136834	54.42	ug/l	100
45) 1,2-Dichloropropane	9.221	63	108765	50.17	ug/l	98
46) Dibromomethane	9.313	93	64822	52.30	ug/l	96
47) Bromodichloromethane	9.502	83	159389	51.51	ug/l	97
48) Methyl methacrylate	9.295	41	71704	45.29	ug/l	90
49) 1,4-Dioxane	9.307	88	15113	957.85	ug/l #	93
51) 4-Methyl-2-Pentanone	10.075	43	392650	232.71	ug/l	96
52) Toluene	10.246	92	287917	51.20	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	163701	50.15	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	184893	50.55	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	90699	52.04	ug/l	97
56) Ethyl methacrylate	10.514	69	118152	48.49	ug/l	93
57) 1,3-Dichloropropane	10.794	76	151455	50.74	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	221039	230.38	ug/l	93
59) 2-Hexanone	10.837	43	281783	237.70	ug/l	98
60) Dibromochloromethane	10.989	129	117567	53.72	ug/l	100
61) 1,2-Dibromoethane	11.093	107	87333	51.45	ug/l	97
64) Tetrachloroethene	10.721	164	150291	57.70	ug/l	95
65) Chlorobenzene	11.520	112	316249	53.04	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	119160	53.43	ug/l	99
67) Ethyl Benzene	11.599	91	563976	51.52	ug/l	97
68) m/p-Xylenes	11.709	106	435711	104.37	ug/l	94
69) o-Xylene	12.032	106	207376	52.55	ug/l	94
70) Styrene	12.050	104	351070	51.95	ug/l	98
71) Bromoform	12.215	173	72862	54.60	ug/l	99
73) Isopropylbenzene	12.331	105	562692	51.25	ug/l	98
74) N-amyl acetate	12.148	43	142787	45.41	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.587	83	87514	45.88	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	71965m	47.51	ug/l	
77) Bromobenzene	12.611	156	134697	53.10	ug/l	96
78) n-propylbenzene	12.672	91	657058	50.80	ug/l	97
79) 2-Chlorotoluene	12.757	91	365559	50.34	ug/l	97
80) 1,3,5-Trimethylbenzene	12.818	105	475076	51.02	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	37128	48.38	ug/l #	77
82) 4-Chlorotoluene	12.855	91	387933	50.47	ug/l	96
83) tert-Butylbenzene	13.080	119	412363	51.47	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	475452	50.98	ug/l	98
85) sec-Butylbenzene	13.257	105	572415	51.81	ug/l	98
86) p-Isopropyltoluene	13.373	119	534308	52.17	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	259443	52.99	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	259875	53.18	ug/l	99
89) n-Butylbenzene	13.702	91	494411	50.72	ug/l	99
90) Hexachloroethane	13.964	117	95615	51.95	ug/l	87
91) 1,2-Dichlorobenzene	13.745	146	230317	53.03	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	16710	46.37	ug/l	85
93) 1,2,4-Trichlorobenzene	15.013	180	159370	54.11	ug/l	98
94) Hexachlorobutadiene	15.117	225	87689	53.11	ug/l	99
95) Naphthalene	15.239	128	306876	52.59	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	134078	54.14	ug/l	99

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

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