

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031621\
 Data File : VY004085.D
 Acq On : 16 Mar 2021 09:25
 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
 3/17/2021 11:46:09 AM

Quant Time: Mar 17 01:37:53 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	247098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	382604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	340245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	170884	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	115359	47.31	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.62%
35) Dibromofluoromethane	7.728	113	111189	51.53	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.06%
50) Toluene-d8	10.185	98	418726	49.50	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.00%
62) 4-Bromofluorobenzene	12.483	95	151275	48.42	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.84%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.912	85	78511	45.61	ug/l 100
3) Chloromethane	2.119	50	109818	46.00	ug/l 99
4) Vinyl Chloride	2.259	62	132307	44.31	ug/l 99
5) Bromomethane	2.656	94	84444	44.26	ug/l 100
6) Chloroethane	2.802	64	84872	46.67	ug/l 99
7) Trichlorofluoromethane	3.137	101	187032	47.13	ug/l 99
8) Diethyl Ether	3.540	74	59634	46.88	ug/l 85
9) 1,1,2-Trichlorotrifluo...	3.911	101	105201	47.39	ug/l 99
10) Methyl Iodide	4.107	142	115726	51.01	ug/l 99
11) Tert butyl alcohol	4.966	59	46107	209.13	ug/l # 95
12) 1,1-Dichloroethene	3.887	96	102500	47.18	ug/l 95
13) Acrolein	3.741	56	58619	268.03	ug/l 99
14) Allyl chloride	4.491	41	157170	43.74	ug/l # 89
15) Acrylonitrile	5.180	53	139334	220.37	ug/l 100
16) Acetone	3.960	43	141146	239.80	ug/l 90
17) Carbon Disulfide	4.204	76	283111	44.32	ug/l 99
18) Methyl Acetate	4.491	43	64810	44.57	ug/l 93
19) Methyl tert-butyl Ether	5.234	73	294258	47.57	ug/l 97
20) Methylene Chloride	4.734	84	110363	46.24	ug/l 89
21) trans-1,2-Dichloroethene	5.234	96	116617	47.78	ug/l 93
22) Diisopropyl ether	6.131	45	338920	44.69	ug/l 96
23) Vinyl Acetate	6.076	43	1098740	220.06	ug/l 96
24) 1,1-Dichloroethane	6.033	63	197510	46.90	ug/l 99
25) 2-Butanone	6.996	43	185026	218.06	ug/l # 90
26) 2,2-Dichloropropane	6.996	77	192207	47.78	ug/l 99
27) cis-1,2-Dichloroethene	6.996	96	134430	48.38	ug/l 92
28) Bromochloromethane	7.344	49	84570	45.99	ug/l 87
29) Tetrahydrofuran	7.356	42	117184	212.60	ug/l 92
30) Chloroform	7.521	83	211076	48.37	ug/l 99
31) Cyclohexane	7.789	56	178896	41.82	ug/l 92
32) 1,1,1-Trichloroethane	7.710	97	196639	48.57	ug/l 99
36) 1,1-Dichloropropene	7.929	75	162483	48.34	ug/l 97
37) Ethyl Acetate	7.082	43	81673	45.10	ug/l 98
38) Carbon Tetrachloride	7.911	117	180269	50.55	ug/l 98
39) Methylcyclohexane	9.185	83	202821	46.71	ug/l 91
40) Benzene	8.167	78	461310	48.72	ug/l 97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	52179m	46.51	ug/l	
42) 1,2-Dichloroethane	8.246	62	139428	48.18	ug/l	96
43) Isopropyl Acetate	8.283	43	160176	44.08	ug/l	96
44) Trichloroethene	8.947	130	144032	52.53	ug/l	98
45) 1,2-Dichloropropane	9.222	63	112098	47.42	ug/l	99
46) Dibromomethane	9.313	93	67241	49.75	ug/l	97
47) Bromodichloromethane	9.502	83	167583	49.67	ug/l	99
48) Methyl methacrylate	9.295	41	74653	43.24	ug/l	88
49) 1,4-Dioxane	9.301	88	16089	935.10	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	410989	223.37	ug/l	96
52) Toluene	10.252	92	304097	49.59	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	173174	48.65	ug/l	97
54) cis-1,3-Dichloropropene	9.935	75	195789	49.09	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	95560	50.28	ug/l	97
56) Ethyl methacrylate	10.514	69	124540	46.87	ug/l	93
57) 1,3-Dichloropropane	10.794	76	159966	49.15	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	230007	218.93	ug/l	94
59) 2-Hexanone	10.837	43	289471	223.92	ug/l	98
60) Dibromochloromethane	10.989	129	123968	51.95	ug/l	100
61) 1,2-Dibromoethane	11.093	107	92492	49.97	ug/l	99
64) Tetrachloroethene	10.721	164	158162	55.53	ug/l	96
65) Chlorobenzene	11.520	112	333241	51.11	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	127066	52.10	ug/l	99
67) Ethyl Benzene	11.599	91	594993	49.70	ug/l	97
68) m/p-Xylenes	11.709	106	458993	100.54	ug/l	94
69) o-Xylene	12.032	106	215329	49.89	ug/l	94
70) Styrene	12.050	104	369408	49.98	ug/l	98
71) Bromoform	12.215	173	75291	51.59	ug/l	98
73) Isopropylbenzene	12.331	105	591037	49.76	ug/l	98
74) N-amyl acetate	12.148	43	149919	44.07	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	92684	44.92	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	77096m	47.05	ug/l	
77) Bromobenzene	12.611	156	141546	51.59	ug/l	97
78) n-propylbenzene	12.672	91	690031	49.32	ug/l	97
79) 2-Chlorotoluene	12.757	91	386419	49.19	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	497876	49.43	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	38976	46.95	ug/l #	77
82) 4-Chlorotoluene	12.861	91	402797	48.45	ug/l	96
83) tert-Butylbenzene	13.081	119	437608	50.49	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	500097	49.57	ug/l	97
85) sec-Butylbenzene	13.257	105	598840	50.11	ug/l	98
86) p-Isopropyltoluene	13.373	119	559699	50.52	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	271659	51.29	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	270569	51.18	ug/l	99
89) n-Butylbenzene	13.702	91	517096	49.04	ug/l	98
90) Hexachloroethane	13.965	117	100200	50.33	ug/l	87
91) 1,2-Dichlorobenzene	13.745	146	240832	51.27	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	18011	46.20	ug/l	89
93) 1,2,4-Trichlorobenzene	15.013	180	167233	52.49	ug/l	98
94) Hexachlorobutadiene	15.117	225	92734	51.92	ug/l	100
95) Naphthalene	15.239	128	320657	50.80	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	140331	52.38	ug/l	99

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

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