

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032321\
 Data File : VY004165.D
 Acq On : 23 Mar 2021 09:24
 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
 3/24/2021 6:16:31 PM

Quant Time: Mar 24 01:16:01 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	201118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	313413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	281767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	142395	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	98084	49.42	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.84%		
35) Dibromofluoromethane	7.728	113	93055	52.65	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	105.30%		
50) Toluene-d8	10.185	98	343883	49.63	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.26%		
62) 4-Bromofluorobenzene	12.483	95	126239	49.33	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.66%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	58128	40.97	ug/l	96
3) Chloromethane	2.119	50	84227	43.09	ug/l	98
4) Vinyl Chloride	2.259	62	99366	40.88	ug/l	99
5) Bromomethane	2.662	94	65835	42.40	ug/l	96
6) Chloroethane	2.808	64	63807	43.11	ug/l	99
7) Trichlorofluoromethane	3.137	101	152756	47.29	ug/l	97
8) Diethyl Ether	3.540	74	51699	49.93	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.911	101	87438	48.39	ug/l	98
10) Methyl Iodide	4.107	142	92555	50.12	ug/l	99
11) Tert butyl alcohol	4.966	59	44604	248.57	ug/l	95
12) 1,1-Dichloroethene	3.887	96	82113	46.44	ug/l	95
13) Acrolein	3.741	56	37867	212.73	ug/l	97
14) Allyl chloride	4.491	41	126975	43.41	ug/l #	89
15) Acrylonitrile	5.180	53	127533	247.82	ug/l	100
16) Acetone	3.960	43	139067	290.29	ug/l	95
17) Carbon Disulfide	4.210	76	216493	41.64	ug/l	100
18) Methyl Acetate	4.491	43	60237	50.89	ug/l	93
19) Methyl tert-butyl Ether	5.234	73	253782	50.41	ug/l	96
20) Methylene Chloride	4.728	84	92936	48.04	ug/l	92
21) trans-1,2-Dichloroethene	5.234	96	92424	46.52	ug/l	94
22) Diisopropyl ether	6.131	45	281972	45.68	ug/l	94
23) Vinyl Acetate	6.076	43	941523	231.68	ug/l #	94
24) 1,1-Dichloroethane	6.033	63	162082	47.29	ug/l	100
25) 2-Butanone	6.996	43	178526	258.51	ug/l	94
26) 2,2-Dichloropropane	6.996	77	155484	47.49	ug/l	100
27) cis-1,2-Dichloroethene	7.002	96	109503	48.42	ug/l	93
28) Bromochloromethane	7.344	49	68967	46.08	ug/l	86
29) Tetrahydrofuran	7.356	42	107887	240.48	ug/l	91
30) Chloroform	7.521	83	175597	49.44	ug/l	97
31) Cyclohexane	7.795	56	143222	41.14	ug/l	91
32) 1,1,1-Trichloroethane	7.710	97	162307	49.26	ug/l	99
36) 1,1-Dichloropropene	7.929	75	130736	47.48	ug/l	98
37) Ethyl Acetate	7.082	43	73925	49.84	ug/l	98
38) Carbon Tetrachloride	7.911	117	146914	50.29	ug/l	98
39) Methylcyclohexane	9.191	83	164023	46.12	ug/l	92
40) Benzene	8.167	78	378279	48.77	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	46812m	50.94	ug/l	
42) 1,2-Dichloroethane	8.246	62	117415	49.53	ug/l	96
43) Isopropyl Acetate	8.277	43	143898	48.35	ug/l	97
44) Trichloroethene	8.947	130	117965	52.52	ug/l	98
45) 1,2-Dichloropropane	9.221	63	93484	48.27	ug/l	99
46) Dibromomethane	9.313	93	57814	52.22	ug/l	98
47) Bromodichloromethane	9.502	83	139835	50.59	ug/l	100
48) Methyl methacrylate	9.301	41	66500	47.03	ug/l #	86
49) 1,4-Dioxane	9.307	88	15610	1107.55	ug/l #	88
51) 4-Methyl-2-Pentanone	10.075	43	378730	251.27	ug/l	96
52) Toluene	10.246	92	246191	49.01	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	144295	49.49	ug/l	96
54) cis-1,3-Dichloropropene	9.935	75	161650	49.47	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	80979	52.01	ug/l	99
56) Ethyl methacrylate	10.514	69	110186	50.63	ug/l	92
57) 1,3-Dichloropropane	10.794	76	136895	51.34	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	211218	247.83	ug/l	93
59) 2-Hexanone	10.837	43	270803	255.73	ug/l	96
60) Dibromochloromethane	10.989	129	104689	53.56	ug/l	100
61) 1,2-Dibromoethane	11.093	107	80020	52.78	ug/l	98
64) Tetrachloroethene	10.721	164	130509	55.33	ug/l	96
65) Chlorobenzene	11.520	112	275427	51.01	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	106383	52.67	ug/l	99
67) Ethyl Benzene	11.599	91	489670	49.39	ug/l	97
68) m/p-Xylenes	11.709	106	376112	99.48	ug/l	94
69) o-Xylene	12.032	106	178856	50.04	ug/l	94
70) Styrene	12.050	104	306418	50.07	ug/l	98
71) Bromoform	12.215	173	66879	55.34	ug/l	99
73) Isopropylbenzene	12.337	105	488216	49.33	ug/l	98
74) N-amyl acetate	12.148	43	131929	46.55	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	83822	48.76	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	69146m	50.64	ug/l	
77) Bromobenzene	12.611	156	118313	51.75	ug/l	97
78) n-propylbenzene	12.678	91	569404	48.84	ug/l	97
79) 2-Chlorotoluene	12.764	91	316575	48.37	ug/l	97
80) 1,3,5-Trimethylbenzene	12.818	105	413489	49.26	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.379	75	34301	49.58	ug/l	98
82) 4-Chlorotoluene	12.861	91	333105	48.08	ug/l	96
83) tert-Butylbenzene	13.081	119	360330	49.89	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	415975	49.48	ug/l	97
85) sec-Butylbenzene	13.257	105	495132	49.72	ug/l	99
86) p-Isopropyltoluene	13.373	119	459203	49.74	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	226359	51.29	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	225360	51.16	ug/l	99
89) n-Butylbenzene	13.702	91	427735	48.68	ug/l	98
90) Hexachloroethane	13.965	117	83761	50.49	ug/l	85
91) 1,2-Dichlorobenzene	13.745	146	203921	52.09	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	16649	51.25	ug/l	91
93) 1,2,4-Trichlorobenzene	15.013	180	139775	52.65	ug/l	98
94) Hexachlorobutadiene	15.117	225	77450	52.04	ug/l	99
95) Naphthalene	15.239	128	284573	54.10	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	119664	53.61	ug/l	98

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

