

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072621\
 Data File : VY005440.D
 Acq On : 26 Jul 2021 13:14
 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

7/27/2021 1:56:05 PM

Quant Time: Jul 27 03:08:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:20:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	312394	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	457083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	419388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	214145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	158706	47.553	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.100%
35) Dibromofluoromethane	7.722	113	132342	50.144	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.280%
50) Toluene-d8	10.185	98	565663	50.568	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.140%
62) 4-Bromofluorobenzene	12.483	95	180871	48.991	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.980%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	122133	43.186	ug/l	99
3) Chloromethane	2.119	50	162273	46.808	ug/l	98
4) Vinyl Chloride	2.259	62	190390	46.120	ug/l	99
5) Bromomethane	2.656	94	129275	42.851	ug/l	98
6) Chloroethane	2.802	64	122447	47.215	ug/l	99
7) Trichlorofluoromethane	3.131	101	254707	47.182	ug/l	95
8) Diethyl Ether	3.540	74	87023	45.792	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.905	101	144246	49.164	ug/l	99
10) Methyl Iodide	4.100	142	173689	52.162	ug/l	96
11) Tert butyl alcohol	4.978	59	65224	206.880	ug/l #	86
12) 1,1-Dichloroethene	3.875	96	148353	49.671	ug/l	98
13) Acrolein	3.741	56	74091	256.634	ug/l	98
14) Allyl chloride	4.484	41	259861	48.618	ug/l	98
15) Acrylonitrile	5.173	53	209005	221.462	ug/l	100
16) Acetone	3.960	43	195318	256.266	ug/l	99
17) Carbon Disulfide	4.198	76	478440	48.443	ug/l	100
18) Methyl Acetate	4.484	43	91543	42.731	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	416164	46.180	ug/l	97
20) Methylene Chloride	4.722	84	180944	43.705	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	164082	48.900	ug/l	99
22) Diisopropyl ether	6.124	45	522737	50.389	ug/l	96
23) Vinyl Acetate	6.070	43	1663427	243.777	ug/l	99
24) 1,1-Dichloroethane	6.027	63	296751	51.896	ug/l	99
25) 2-Butanone	6.996	43	272971	239.161	ug/l	99
26) 2,2-Dichloropropane	6.990	77	268857	51.706	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	184763	51.475	ug/l	100
28) Bromochloromethane	7.338	49	114918	49.922	ug/l	100
29) Tetrahydrofuran	7.356	42	173964	230.159	ug/l	99
30) Chloroform	7.514	83	257702	45.555	ug/l	99
31) Cyclohexane	7.789	56	251582	44.148	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	242935	46.384	ug/l	100
36) 1,1-Dichloropropene	7.923	75	207015	46.841	ug/l	99
37) Ethyl Acetate	7.082	43	120050	44.623	ug/l	97
38) Carbon Tetrachloride	7.905	117	221893	45.945	ug/l	99
39) Methylcyclohexane	9.185	83	264041	46.591	ug/l	98
40) Benzene	8.167	78	579700	45.643	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	71004m	50.364	ug/l	
42) 1,2-Dichloroethane	8.240	62	178123	43.354	ug/l	100
43) Isopropyl Acetate	8.283	43	202998	41.667	ug/l	99
44) Trichloroethene	8.941	130	158981	46.156	ug/l	99
45) 1,2-Dichloropropane	9.221	63	142015	45.412	ug/l	100
46) Dibromomethane	9.307	93	75480	43.852	ug/l	99
47) Bromodichloromethane	9.502	83	197381	45.621	ug/l	100
48) Methyl methacrylate	9.295	41	95487	42.145	ug/l	98
49) 1,4-Dioxane	9.307	88	20077	826.902	ug/l #	99
51) 4-Methyl-2-Pentanone	10.075	43	526642	203.618	ug/l	99
52) Toluene	10.246	92	370934	45.992	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	215476	44.520	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	240068	45.123	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	107371	43.465	ug/l	98
56) Ethyl methacrylate	10.514	69	161692	43.349	ug/l	99
57) 1,3-Dichloropropane	10.794	76	193315	44.000	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.788	63	436184	244.516	ug/l	99
59) 2-Hexanone	10.837	43	374954	206.838	ug/l	99
60) Dibromochloromethane	10.989	129	134045	44.430	ug/l	99
61) 1,2-Dibromoethane	11.093	107	101547	43.428	ug/l	100
64) Tetrachloroethene	10.721	164	143212	45.202	ug/l	97
65) Chlorobenzene	11.520	112	393557	45.817	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	145244	45.273	ug/l	99
67) Ethyl Benzene	11.599	91	723663	46.278	ug/l	99
68) m/p-Xylenes	11.709	106	562649	92.663	ug/l	99
69) o-Xylene	12.032	106	267138	46.245	ug/l	99
70) Styrene	12.050	104	450938	45.973	ug/l	99
71) Bromoform	12.215	173	89553	43.676	ug/l	99
73) Isopropylbenzene	12.337	105	703878	47.664	ug/l	100
74) N-amyl acetate	12.148	43	192539	42.824	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	122540	43.462	ug/l	100
76) 1,2,3-Trichloropropane	12.635	75	95402m	45.276	ug/l	
77) Bromobenzene	12.611	156	167436	46.300	ug/l	100
78) n-propylbenzene	12.678	91	846446	47.508	ug/l	100
79) 2-Chlorotoluene	12.764	91	467816	46.746	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	584558	47.392	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	46218	42.590	ug/l	98
82) 4-Chlorotoluene	12.861	91	487931	47.106	ug/l	100
83) tert-Butylbenzene	13.081	119	521252	47.444	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	579629	46.851	ug/l	100
85) sec-Butylbenzene	13.257	105	761972	48.083	ug/l	100
86) p-Isopropyltoluene	13.373	119	655201	48.019	ug/l	100
87) 1,3-Dichlorobenzene	13.373	146	332390	46.865	ug/l	99
88) 1,4-Dichlorobenzene	13.452	146	324214	46.135	ug/l	100
89) n-Butylbenzene	13.702	91	606181	48.401	ug/l	99
90) Hexachloroethane	13.964	117	117144	47.762	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	287687	45.423	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	21823	39.914	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	201970	46.219	ug/l	99
94) Hexachlorobutadiene	15.117	225	130658	47.177	ug/l	99
95) Naphthalene	15.245	128	380764	43.316	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	177595	45.088	ug/l	100

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

