

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092221\
 Data File : VY006113.D
 Acq On : 22 Sep 2021 19:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/23/2021 11:36:02 AM

Quant Time: Sep 23 01:28:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	145817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	227485	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	214020	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	94977	46.891	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.780%
35) Dibromofluoromethane	7.728	113	69323	49.063	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.120%
50) Toluene-d8	10.185	98	291271	48.367	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.740%
62) 4-Bromofluorobenzene	12.483	95	100660	49.232	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.460%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	65940	42.807	ug/l	99
3) Chloromethane	2.119	50	77048	40.224	ug/l	97
4) Vinyl Chloride	2.253	62	90138	41.677	ug/l	100
5) Bromomethane	2.650	94	62238	44.357	ug/l	99
6) Chloroethane	2.796	64	58315	44.961	ug/l	98
7) Trichlorofluoromethane	3.131	101	126643	44.919	ug/l	98
8) Diethyl Ether	3.534	74	45053	48.609	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.906	101	66191	47.024	ug/l	99
10) Methyl Iodide	4.101	142	70170	47.090	ug/l	96
11) Tert butyl alcohol	4.960	59	69805	226.230	ug/l	97
12) 1,1-Dichloroethene	3.881	96	68954	47.361	ug/l	94
13) Acrolein	3.735	56	29550	242.799	ug/l	98
14) Allyl chloride	4.491	41	138705	44.630	ug/l	98
15) Acrylonitrile	5.168	53	123315	233.580	ug/l	100
16) Acetone	3.954	43	103770	186.789	ug/l	96
17) Carbon Disulfide	4.204	76	215905	44.403	ug/l	99
18) Methyl Acetate	4.485	43	65881	47.077	ug/l	98
19) Methyl tert-butyl Ether	5.229	73	226760	48.310	ug/l	98
20) Methylene Chloride	4.723	84	91060	52.796	ug/l	92
21) trans-1,2-Dichloroethene	5.229	96	78216	47.909	ug/l	94
22) Diisopropyl ether	6.131	45	283442	46.934	ug/l	94
23) Vinyl Acetate	6.070	43	868315	227.864	ug/l	97
24) 1,1-Dichloroethane	6.027	63	148181	47.891	ug/l	98
25) 2-Butanone	6.990	43	162640	212.406	ug/l	95
26) 2,2-Dichloropropane	6.990	77	128382	43.799	ug/l	99
27) cis-1,2-Dichloroethene	6.997	96	89945	49.382	ug/l	98
28) Bromochloromethane	7.338	49	68964	50.739	ug/l #	96
29) Tetrahydrofuran	7.350	42	109782	228.122	ug/l	98
30) Chloroform	7.515	83	151985	48.990	ug/l	100
31) Cyclohexane	7.789	56	137810	42.473	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	137243	47.116	ug/l	99
36) 1,1-Dichloropropene	7.923	75	113122	46.072	ug/l	99
37) Ethyl Acetate	7.082	43	73373	43.258	ug/l	98
38) Carbon Tetrachloride	7.905	117	122283	45.747	ug/l	98
39) Methylcyclohexane	9.191	83	139816	45.944	ug/l	96
40) Benzene	8.167	78	337409	47.920	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	46254m	46.690	ug/l	
42) 1,2-Dichloroethane	8.240	62	115653	46.448	ug/l	98
43) Isopropyl Acetate	8.277	43	139695	44.215	ug/l	97
44) Trichloroethene	8.947	130	85041	48.467	ug/l	96
45) 1,2-Dichloropropane	9.222	63	82887	47.587	ug/l	96
46) Dibromomethane	9.307	93	44874	47.597	ug/l	95
47) Bromodichloromethane	9.502	83	117804	48.545	ug/l	97
48) Methyl methacrylate	9.295	41	66402	45.484	ug/l	97
49) 1,4-Dioxane	9.307	88	12944	994.862	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	373636	221.832	ug/l	97
52) Toluene	10.246	92	207950	47.928	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	128154	48.077	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	138490	48.172	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	63245	48.818	ug/l	98
56) Ethyl methacrylate	10.514	69	100386	48.471	ug/l	94
57) 1,3-Dichloropropane	10.795	76	116090	48.617	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	259903	239.718	ug/l	99
59) 2-Hexanone	10.837	43	261324	224.738	ug/l	98
60) Dibromochloromethane	10.990	129	79841	49.986	ug/l	100
61) 1,2-Dibromoethane	11.087	107	61569	50.315	ug/l	99
64) Tetrachloroethene	10.721	164	85786	49.007	ug/l	97
65) Chlorobenzene	11.520	112	221345	48.335	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	83446	48.889	ug/l	99
67) Ethyl Benzene	11.593	91	416128	47.805	ug/l	99
68) m/p-Xylenes	11.703	106	316112	95.771	ug/l	99
69) o-Xylene	12.032	106	151711	48.665	ug/l	98
70) Styrene	12.044	104	262462	49.146	ug/l	99
71) Bromoform	12.209	173	53117	49.701	ug/l #	98
73) Isopropylbenzene	12.331	105	394855	46.228	ug/l	100
74) N-amyl acetate	12.142	43	128329	43.508	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	73026	45.952	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	51354m	44.158	ug/l	
77) Bromobenzene	12.611	156	94419	47.375	ug/l	98
78) n-propylbenzene	12.672	91	484145	45.812	ug/l	99
79) 2-Chlorotoluene	12.758	91	272714	47.462	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	338416	47.773	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	27896	44.101	ug/l	96
82) 4-Chlorotoluene	12.855	91	283488	47.731	ug/l	100
83) tert-Butylbenzene	13.075	119	287114	47.389	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	336498	47.880	ug/l	99
85) sec-Butylbenzene	13.251	105	430186	47.431	ug/l	100
86) p-Isopropyltoluene	13.367	119	365843	47.248	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	188440	49.026	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	185588	48.138	ug/l	99
89) n-Butylbenzene	13.697	91	340400	47.012	ug/l	99
90) Hexachloroethane	13.959	117	67049	48.118	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	166746	49.419	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	14168	44.938	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	109598	50.018	ug/l	100
94) Hexachlorobutadiene	15.111	225	69365	48.929	ug/l	98
95) Naphthalene	15.233	128	218953	50.242	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	97390	51.290	ug/l	99

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

