

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070221\
 Data File : VY005357.D
 Acq On : 02 Jul 2021 21:20
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

SAM
 7/6/2021 1:57:32 PM

Quant Time: Jul 05 01:09:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:57:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	219286	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	320115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	304346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	164923	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	106791	58.684	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.360%
35) Dibromofluoromethane	7.728	113	97399	51.591	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.180%
50) Toluene-d8	10.185	98	391406	51.843	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.680%
62) 4-Bromofluorobenzene	12.483	95	132366	52.613	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.220%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	61314	42.523	ug/l	99
3) Chloromethane	2.113	50	92518	48.177	ug/l	98
4) Vinyl Chloride	2.253	62	112947	51.441	ug/l	99
5) Bromomethane	2.650	94	81942	58.839	ug/l	98
6) Chloroethane	2.796	64	79501	55.370	ug/l	99
7) Trichlorofluoromethane	3.125	101	146606	49.946	ug/l	99
8) Diethyl Ether	3.540	74	57306	52.187	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.899	101	90427	50.320	ug/l	99
10) Methyl Iodide	4.101	142	106235	41.557	ug/l	98
11) Tert butyl alcohol	4.985	59	54857	244.780	ug/l	96
12) 1,1-Dichloroethene	3.875	96	87323	48.096	ug/l	96
13) Acrolein	3.735	56	19638	219.624	ug/l	95
14) Allyl chloride	4.491	41	136456	52.323	ug/l	94
15) Acrylonitrile	5.180	53	146684	287.565	ug/l	99
16) Acetone	3.960	43	108466	258.014	ug/l	98
17) Carbon Disulfide	4.198	76	268618	47.040	ug/l	100
18) Methyl Acetate	4.491	43	65446	58.579	ug/l	95
19) Methyl tert-butyl Ether	5.241	73	264136	53.212	ug/l	100
20) Methylene Chloride	4.729	84	119475	54.624	ug/l	95
21) trans-1,2-Dichloroethene	5.228	96	104286	51.585	ug/l	96
22) Diisopropyl ether	6.131	45	323667	59.701	ug/l	95
23) Vinyl Acetate	6.076	43	1055122	300.744	ug/l	95
24) 1,1-Dichloroethane	6.033	63	183586	54.562	ug/l	99
25) 2-Butanone	7.003	43	183940	300.070	ug/l	93
26) 2,2-Dichloropropane	6.996	77	138279	47.128	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	120291	52.905	ug/l	97
28) Bromochloromethane	7.344	49	85459	63.480	ug/l	89
29) Tetrahydrofuran	7.362	42	126154	312.799	ug/l	93
30) Chloroform	7.515	83	190066	55.510	ug/l	99
31) Cyclohexane	7.795	56	156307	48.112	ug/l	95
32) 1,1,1-Trichloroethane	7.710	97	161341	52.832	ug/l	97
36) 1,1-Dichloropropene	7.923	75	141132	50.068	ug/l	99
37) Ethyl Acetate	7.088	43	84663	58.243	ug/l	97
38) Carbon Tetrachloride	7.905	117	145562	49.330	ug/l	98
39) Methylcyclohexane	9.191	83	170834	46.829	ug/l	99
40) Benzene	8.167	78	424212	51.037	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	40396m	50.108	ug/l	
42) 1,2-Dichloroethane	8.246	62	126654	56.100	ug/l	98
43) Isopropyl Acetate	8.283	43	154766	57.925	ug/l	96
44) Trichloroethene	8.947	130	117442	49.976	ug/l	97
45) 1,2-Dichloropropane	9.222	63	108040	54.321	ug/l	99
46) Dibromomethane	9.313	93	61906	53.521	ug/l	96
47) Bromodichloromethane	9.502	83	148914	54.907	ug/l	100
48) Methyl methacrylate	9.301	41	69957	59.682	ug/l	90
49) 1,4-Dioxane	9.307	88	16892	1110.543	ug/l #	94
51) 4-Methyl-2-Pentanone	10.081	43	434779	310.897	ug/l	95
52) Toluene	10.246	92	275631	51.880	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	153195	51.601	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	172723	51.604	ug/l #	93
55) 1,1,2-Trichloroethane	10.648	97	91008	53.878	ug/l	99
56) Ethyl methacrylate	10.514	69	124999	54.514	ug/l #	89
57) 1,3-Dichloropropane	10.795	76	154338	54.553	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	223947	221.438	ug/l	98
59) 2-Hexanone	10.837	43	303691	315.737	ug/l	94
60) Dibromochloromethane	10.990	129	112263	54.255	ug/l	99
61) 1,2-Dibromoethane	11.093	107	88391	53.795	ug/l	98
64) Tetrachloroethene	10.721	164	110913	49.385	ug/l	98
65) Chlorobenzene	11.520	112	303690	50.344	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	115839	51.738	ug/l	99
67) Ethyl Benzene	11.599	91	524316	50.406	ug/l	99
68) m/p-Xylenes	11.709	106	421980	101.257	ug/l	99
69) o-Xylene	12.032	106	200470	50.800	ug/l	99
70) Styrene	12.050	104	345580	52.082	ug/l	99
71) Bromoform	12.215	173	80269	52.687	ug/l #	100
73) Isopropylbenzene	12.331	105	517675	48.395	ug/l	99
74) N-amyl acetate	12.148	43	145922	57.641	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.587	83	111088	52.704	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	79820m	54.571	ug/l	
77) Bromobenzene	12.611	156	138697	48.864	ug/l	96
78) n-propylbenzene	12.672	91	628653	49.840	ug/l	99
79) 2-Chlorotoluene	12.758	91	356254	50.068	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	439818	49.702	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	36404	46.436	ug/l	91
82) 4-Chlorotoluene	12.855	91	370454	50.325	ug/l	100
83) tert-Butylbenzene	13.081	119	394317	49.983	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	442625	50.594	ug/l	100
85) sec-Butylbenzene	13.258	105	566582	49.365	ug/l	99
86) p-Isopropyltoluene	13.373	119	486957	49.174	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	273054	50.387	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	269845	50.355	ug/l	99
89) n-Butylbenzene	13.696	91	439842	50.562	ug/l	98
90) Hexachloroethane	13.965	117	93536	52.288	ug/l	94
91) 1,2-Dichlorobenzene	13.745	146	243583	50.704	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	19190	54.658	ug/l	88
93) 1,2,4-Trichlorobenzene	15.013	180	160750	47.476	ug/l	99
94) Hexachlorobutadiene	15.117	225	96992	45.771	ug/l	99
95) Naphthalene	15.239	128	318724	51.001	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	146508	49.131	ug/l	100

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

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