

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062521\
 Data File : VY005219.D
 Acq On : 25 Jun 2021 11:33
 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
 6/28/2021 11:57:55 AM

Quant Time: Jun 26 05:09:05 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	306862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	421601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	384218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	202035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	125536	49.297	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.600%		
35) Dibromofluoromethane	7.728	113	125440	50.450	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.900%		
50) Toluene-d8	10.185	98	510898	51.381	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.760%		
62) 4-Bromofluorobenzene	12.483	95	169977	51.300	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.600%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	93842	46.508	ug/l	99
3) Chloromethane	2.119	50	122642	45.637	ug/l	98
4) Vinyl Chloride	2.259	62	147697	48.070	ug/l	99
5) Bromomethane	2.656	94	97263	49.908	ug/l	100
6) Chloroethane	2.802	64	91917	45.747	ug/l	100
7) Trichlorofluoromethane	3.131	101	203084	49.442	ug/l	99
8) Diethyl Ether	3.540	74	71912	46.799	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.912	101	125136	49.761	ug/l	99
10) Methyl Iodide	4.101	142	157128	43.924	ug/l	99
11) Tert butyl alcohol	4.985	59	48037	119.661	ug/l #	95
12) 1,1-Dichloroethene	3.881	96	122473	48.205	ug/l	97
13) Acrolein	3.741	56	31484	251.617	ug/l	94
14) Allyl chloride	4.491	41	176263	48.298	ug/l	99
15) Acrylonitrile	5.174	53	165456	231.795	ug/l	100
16) Acetone	3.960	43	168565	286.539	ug/l	100
17) Carbon Disulfide	4.204	76	382015	47.806	ug/l	99
18) Methyl Acetate	4.485	43	69492	44.449	ug/l	98
19) Methyl tert-butyl Ether	5.235	73	330012	47.509	ug/l	100
20) Methylene Chloride	4.729	84	147000	46.735	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	138821	49.070	ug/l	97
22) Diisopropyl ether	6.131	45	371615	48.983	ug/l	97
23) Vinyl Acetate	6.070	43	1199389	244.300	ug/l	99
24) 1,1-Dichloroethane	6.027	63	227959	48.415	ug/l	99
25) 2-Butanone	6.996	43	216726	252.653	ug/l	99
26) 2,2-Dichloropropane	6.990	77	208419	50.760	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	154088	48.429	ug/l	99
28) Bromochloromethane	7.344	49	98435	52.251	ug/l	100
29) Tetrahydrofuran	7.356	42	129890	230.148	ug/l	99
30) Chloroform	7.515	83	231134	48.239	ug/l	97
31) Cyclohexane	7.789	56	216405	47.601	ug/l	99
32) 1,1,1-Trichloroethane	7.710	97	212687	49.769	ug/l	100
36) 1,1-Dichloropropene	7.923	75	186892	50.342	ug/l	100
37) Ethyl Acetate	7.082	43	90918	47.491	ug/l	99
38) Carbon Tetrachloride	7.905	117	198867	51.172	ug/l	100
39) Methylcyclohexane	9.185	83	246510	51.307	ug/l	97
40) Benzene	8.167	78	542540	49.561	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	55767	52.524	ug/l #	100
42) 1,2-Dichloroethane	8.246	62	146873	49.396	ug/l	99
43) Isopropyl Acetate	8.283	43	169859	48.270	ug/l	100
44) Trichloroethene	8.947	130	156617	50.604	ug/l	98
45) 1,2-Dichloropropane	9.222	63	129945	49.608	ug/l	100
46) Dibromomethane	9.313	93	74214	48.717	ug/l	99
47) Bromodichloromethane	9.502	83	179878	50.358	ug/l	100
48) Methyl methacrylate	9.301	41	76849	49.780	ug/l	96
49) 1,4-Dioxane	9.313	88	18966	946.748	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	451976	245.396	ug/l	99
52) Toluene	10.246	92	352977	50.446	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	195898	50.101	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	221942	50.348	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	109208	49.090	ug/l	97
56) Ethyl methacrylate	10.514	69	151423	50.142	ug/l	99
57) 1,3-Dichloropropane	10.795	76	183536	49.257	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	325925	244.698	ug/l	99
59) 2-Hexanone	10.837	43	333394	263.182	ug/l	99
60) Dibromochloromethane	10.990	129	136118	49.949	ug/l	100
61) 1,2-Dibromoethane	11.093	107	106138	49.047	ug/l	99
64) Tetrachloroethene	10.721	164	144533	50.977	ug/l	99
65) Chlorobenzene	11.520	112	381587	50.107	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	143671	50.829	ug/l	99
67) Ethyl Benzene	11.593	91	669166	50.958	ug/l	99
68) m/p-Xylenes	11.703	106	537762	102.214	ug/l	100
69) o-Xylene	12.032	106	253247	50.834	ug/l	100
70) Styrene	12.044	104	431871	51.556	ug/l	100
71) Bromoform	12.215	173	96915	50.389	ug/l #	100
73) Isopropylbenzene	12.331	105	668995	51.053	ug/l	99
74) N-amyl acetate	12.148	43	154872	49.939	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	122894	47.595	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	86776m	48.429	ug/l	
77) Bromobenzene	12.611	156	171792	49.406	ug/l	100
78) n-propylbenzene	12.672	91	788290	51.016	ug/l	100
79) 2-Chlorotoluene	12.758	91	435313	49.941	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	550297	50.764	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	46129	48.033	ug/l	98
82) 4-Chlorotoluene	12.861	91	452393	50.167	ug/l	100
83) tert-Butylbenzene	13.081	119	505728	52.330	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	544182	50.776	ug/l	100
85) sec-Butylbenzene	13.257	105	725753	51.618	ug/l	100
86) p-Isopropyltoluene	13.373	119	625856	51.591	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	333615	50.254	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	328566	50.050	ug/l	100
89) n-Butylbenzene	13.703	91	553347	51.925	ug/l	100
90) Hexachloroethane	13.965	117	112997	51.563	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	293631	49.894	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	20944	48.696	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	218587	52.699	ug/l	99
94) Hexachlorobutadiene	15.117	225	140032	53.944	ug/l	99
95) Naphthalene	15.239	128	405169	52.924	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	193864	53.070	ug/l	99

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

