

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY060520\
 Data File : VY002860.D
 Acq On : 05 Jun 2020 20:34
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/8/2020 11:28:10 AM

Quant Time: Jun 06 08:09:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y052720S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 13:13:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	315716	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	486684	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	448310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	232972	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	136962	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	7.73	113	144526	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
50) Toluene-d8	10.18	98	549493	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
62) 4-Bromofluorobenzene	12.48	95	192654	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	96888	44.600	ug/l	95
3) Chloromethane	2.12	50	115983	48.268	ug/l	99
4) Vinyl Chloride	2.26	62	128879	50.745	ug/l	98
5) Bromomethane	2.65	94	94811	49.815	ug/l	100
6) Chloroethane	2.80	64	84141	51.105	ug/l	96
7) Trichlorofluoromethane	3.13	101	219189	48.729	ug/l	99
8) Diethyl Ether	3.54	74	85871	48.891	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.91	101	141719	53.064	ug/l	100
10) Methyl Iodide	4.10	142	187431	50.155	ug/l	98
11) Tert butyl alcohol	4.97	59	65822	221.972	ug/l	100
12) 1,1-Dichloroethene	3.88	96	136690	50.893	ug/l	98
13) Acrolein	3.74	56	79179	246.473	ug/l	98
14) Allyl chloride	4.49	41	213937	55.538	ug/l	97
15) Acrylonitrile	5.18	53	206100	260.106	ug/l	100
16) Acetone	3.96	43	149115	231.978	ug/l	97
17) Carbon Disulfide	4.20	76	384631	47.390	ug/l	100
18) Methyl Acetate	4.49	43	87536	54.355	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	393859	53.118	ug/l	99
20) Methylene Chloride	4.73	84	174018	55.397	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	154454	51.135	ug/l	97
22) Diisopropyl ether	6.13	45	457806	57.191	ug/l	96
23) Vinyl Acetate	6.07	43	1476550	279.383	ug/l	99
24) 1,1-Dichloroethane	6.03	63	259954	55.514	ug/l	99
25) 2-Butanone	7.00	43	247693	247.327	ug/l	96
26) 2,2-Dichloropropane	6.99	77	214699	47.807	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	179934	53.214	ug/l	100
28) Bromochloromethane	7.34	49	108197	56.285	ug/l	94
29) Tetrahydrofuran	7.35	42	167602	257.285	ug/l	98
30) Chloroform	7.52	83	270561	54.450	ug/l	99
31) Cyclohexane	7.79	56	225764	48.559	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	236294	51.031	ug/l	99
36) 1,1-Dichloropropene	7.92	75	200706	48.956	ug/l	100
37) Ethyl Acetate	7.08	43	111491	49.984	ug/l	99
38) Carbon Tetrachloride	7.91	117	217383	47.731	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	256242	47.419	ug/l	97
40) Benzene	8.17	78	618641	51.069	ug/l	100
41) Methacrylonitrile	7.33	41	67408m	56.253	ug/l	
42) 1,2-Dichloroethane	8.24	62	167175	49.243	ug/l	100
43) Isopropyl Acetate	8.28	43	216323	51.178	ug/l	99
44) Trichloroethene	8.94	130	187373	48.969	ug/l	98
45) 1,2-Dichloropropane	9.22	63	155491	53.525	ug/l	97
46) Dibromomethane	9.31	93	88208	51.127	ug/l	98
47) Bromodichloromethane	9.50	83	213206	52.421	ug/l	99
48) Methyl methacrylate	9.30	41	96667	50.660	ug/l	98
49) 1,4-Dioxane	9.30	88	23788	897.976	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	558041	249.320	ug/l	99
52) Toluene	10.24	92	395449	49.902	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	223617	50.337	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	258490	51.351	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	132263	50.075	ug/l	95
56) Ethyl methacrylate	10.51	69	180974	51.155	ug/l	99
57) 1,3-Dichloropropane	10.79	76	219978	50.635	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	463233	267.972	ug/l	98
59) 2-Hexanone	10.83	43	388370	244.551	ug/l	100
60) Dibromochloromethane	10.99	129	168238	50.240	ug/l	99
61) 1,2-Dibromoethane	11.09	107	130894	50.237	ug/l	99
64) Tetrachloroethene	10.72	164	192371	47.213	ug/l	98
65) Chlorobenzene	11.52	112	447087	50.457	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	170728	51.159	ug/l	99
67) Ethyl Benzene	11.59	91	772434	50.284	ug/l	99
68) m/p-Xylenes	11.70	106	589050	98.902	ug/l	100
69) o-Xylene	12.03	106	284848	50.661	ug/l	99
70) Styrene	12.04	104	496545	50.944	ug/l	100
71) Bromoform	12.20	173	110987	49.703	ug/l	100
73) Isopropylbenzene	12.33	105	762526	51.074	ug/l	100
74) N-amyl acetate	12.14	43	202275	52.803	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	140896	53.787	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	106250m	50.614	ug/l	
77) Bromobenzene	12.61	156	198379	51.030	ug/l	98
78) n-propylbenzene	12.67	91	882651	51.181	ug/l	99
79) 2-Chlorotoluene	12.75	91	496482	51.322	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	636906	51.092	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	54738	49.126	ug/l	99
82) 4-Chlorotoluene	12.85	91	517059	51.015	ug/l	100
83) tert-Butylbenzene	13.07	119	568542	51.130	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	643950	51.375	ug/l	99
85) sec-Butylbenzene	13.25	105	772830	50.831	ug/l	100
86) p-Isopropyltoluene	13.37	119	717946	50.748	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	370252	50.280	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	367217	49.851	ug/l	99
89) n-Butylbenzene	13.70	91	645504	50.257	ug/l	100
90) Hexachloroethane	13.96	117	138247	52.199	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	340956	51.055	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	24654	48.919	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	248096	49.287	ug/l	99
94) Hexachlorobutadiene	15.11	225	143130	50.133	ug/l	100
95) Naphthalene	15.23	128	495390	49.084	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	223358	49.690	ug/l	99

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

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