

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY063020\
 Data File : VY003026.D
 Acq On : 30 Jun 2020 10:43
 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

sam
 7/1/2020 10:10:55 PM

Quant Time: Jul 01 05:46:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	521092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	750302	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	673106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	353154	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	241699	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
35) Dibromofluoromethane	7.72	113	236277	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
50) Toluene-d8	10.18	98	877465	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.48	95	303452	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	193344	48.993	ug/l	98
3) Chloromethane	2.12	50	245047	42.403	ug/l	99
4) Vinyl Chloride	2.26	62	283986	50.378	ug/l	95
5) Bromomethane	2.65	94	194867	50.914	ug/l	100
6) Chloroethane	2.80	64	180738	50.401	ug/l	99
7) Trichlorofluoromethane	3.13	101	403412	50.703	ug/l	98
8) Diethyl Ether	3.54	74	133464	48.932	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.91	101	250302	52.688	ug/l	100
10) Methyl Iodide	4.10	142	316525	53.732	ug/l	99
11) Tert butyl alcohol	4.96	59	120732	228.901	ug/l	100
12) 1,1-Dichloroethene	3.88	96	232770	51.497	ug/l	95
13) Acrolein	3.74	56	100868	212.928	ug/l	100
14) Allyl chloride	4.49	41	375279	47.553	ug/l	98
15) Acrylonitrile	5.17	53	330627	235.199	ug/l	99
16) Acetone	3.96	43	312495	256.012	ug/l	98
17) Carbon Disulfide	4.20	76	728766	50.462	ug/l	99
18) Methyl Acetate	4.48	43	144481	43.934	ug/l	95
19) Methyl tert-butyl Ether	5.23	73	661250	50.187	ug/l	98
20) Methylene Chloride	4.72	84	305743	57.125	ug/l	95
21) trans-1,2-Dichloroethene	5.22	96	264222	51.678	ug/l	91
22) Diisopropyl ether	6.13	45	812236	48.019	ug/l	96
23) Vinyl Acetate	6.07	43	2716407	240.206	ug/l	99
24) 1,1-Dichloroethane	6.02	63	461549	49.952	ug/l	99
25) 2-Butanone	6.99	43	459531	236.997	ug/l	100
26) 2,2-Dichloropropane	6.99	77	432010	51.461	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	296084	51.630	ug/l	96
28) Bromochloromethane	7.34	49	193917	47.168	ug/l	91
29) Tetrahydrofuran	7.35	42	295120	228.877	ug/l	94
30) Chloroform	7.51	83	464730	50.769	ug/l	98
31) Cyclohexane	7.79	56	430088	47.249	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	427356	51.147	ug/l	99
36) 1,1-Dichloropropene	7.92	75	375487	51.955	ug/l	98
37) Ethyl Acetate	7.08	43	205489	47.289	ug/l	99
38) Carbon Tetrachloride	7.91	117	393936	52.389	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	472486	52.729	ug/l	98
40) Benzene	8.16	78	1021706	51.637	ug/l	99
41) Methacrylonitrile	7.33	41	110197m	47.474	ug/l	
42) 1,2-Dichloroethane	8.24	62	314879	50.305	ug/l	99
43) Isopropyl Acetate	8.27	43	395603	47.889	ug/l	97
44) Trichloroethene	8.94	130	301073	52.352	ug/l	97
45) 1,2-Dichloropropane	9.22	63	267262	50.207	ug/l	95
46) Dibromomethane	9.31	93	151038	50.802	ug/l	98
47) Bromodichloromethane	9.50	83	372456	51.162	ug/l	98
48) Methyl methacrylate	9.29	41	178026	47.346	ug/l	95
49) 1,4-Dioxane	9.30	88	39385	1085.208	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	1027736	240.707	ug/l	98
52) Toluene	10.24	92	646660	51.918	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	391702	51.320	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	450755	51.639	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	214056	51.812	ug/l	99
56) Ethyl methacrylate	10.51	69	305562	51.094	ug/l	97
57) 1,3-Dichloropropane	10.79	76	367385	50.655	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	754548	246.007	ug/l	98
59) 2-Hexanone	10.83	43	744231	249.379	ug/l	99
60) Dibromochloromethane	10.99	129	276092	52.220	ug/l	99
61) 1,2-Dibromoethane	11.09	107	206323	50.657	ug/l	100
64) Tetrachloroethene	10.72	164	303714	53.313	ug/l	99
65) Chlorobenzene	11.52	112	706137	53.204	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	279270	53.894	ug/l	99
67) Ethyl Benzene	11.59	91	1289179	53.094	ug/l	99
68) m/p-Xylenes	11.70	106	963037	106.567	ug/l	100
69) o-Xylene	12.03	106	458016	53.785	ug/l	98
70) Styrene	12.04	104	773104	53.141	ug/l	98
71) Bromoform	12.20	173	184253	53.326	ug/l	99
73) Isopropylbenzene	12.33	105	1256629	54.370	ug/l	100
74) N-amyl acetate	12.14	43	378331	50.282	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	244433	52.406	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	183193m	52.414	ug/l	
77) Bromobenzene	12.61	156	316885	53.474	ug/l	99
78) n-propylbenzene	12.67	91	1483837	53.383	ug/l	100
79) 2-Chlorotoluene	12.75	91	836151	53.893	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	1044113	53.835	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	92919	51.724	ug/l	96
82) 4-Chlorotoluene	12.85	91	870216	53.871	ug/l	100
83) tert-Butylbenzene	13.08	119	921171	54.091	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	1043960	53.418	ug/l	99
85) sec-Butylbenzene	13.25	105	1272593	54.215	ug/l	100
86) p-Isopropyltoluene	13.37	119	1188772	54.654	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	595413	53.817	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	585311	53.651	ug/l	100
89) n-Butylbenzene	13.70	91	1136916	54.631	ug/l	100
90) Hexachloroethane	13.96	117	233950	54.167	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	528204	53.212	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	42589	51.581	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	395170	53.575	ug/l	99
94) Hexachlorobutadiene	15.11	225	256508	55.133	ug/l	99
95) Naphthalene	15.23	128	708464	52.586	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	337759	52.735	ug/l	99

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

