

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY052120\
 Data File : VY002735.D
 Acq On : 21 May 2020 12:14
 Operator : SY/MD
 Sample : VY0521SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0521SBS01

Quant Time: May 21 13:47:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 04:52:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	398923	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	590278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	540341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	282027	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	159916	51.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.50%	
35) Dibromofluoromethane	7.72	113	169258	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
50) Toluene-d8	10.18	98	671610	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.48	95	229764	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	52612	18.405	ug/l	96
3) Chloromethane	2.12	50	62613	19.126	ug/l	97
4) Vinyl Chloride	2.26	62	67577	19.809	ug/l	98
5) Bromomethane	2.64	94	48420	19.150	ug/l	100
6) Chloroethane	2.79	64	42778	19.610	ug/l	98
7) Trichlorofluoromethane	3.13	101	114440	19.906	ug/l	98
8) Diethyl Ether	3.54	74	41183	21.058	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	70143	20.128	ug/l	99
10) Methyl Iodide	4.10	142	94691	19.740	ug/l	100
11) Tert butyl alcohol	4.97	59	35208	111.102	ug/l	99
12) 1,1-Dichloroethene	3.88	96	70257	20.078	ug/l	99
13) Acrolein	3.74	56	35216	94.746	ug/l	97
14) Allyl chloride	4.49	41	104714	20.845	ug/l	98
15) Acrylonitrile	5.18	53	94679	106.918	ug/l	99
16) Acetone	3.96	43	66539	103.440	ug/l	98
17) Carbon Disulfide	4.20	76	218247	19.884	ug/l	99
18) Methyl Acetate	4.48	43	41202	22.465	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	185720	21.398	ug/l	99
20) Methylene Chloride	4.72	84	80903	20.806	ug/l	96
21) trans-1,2-Dichloroethene	5.23	96	78636	20.210	ug/l	98
22) Diisopropyl ether	6.13	45	212755	21.347	ug/l	98
23) Vinyl Acetate	6.07	43	682385	106.926	ug/l	99
24) 1,1-Dichloroethane	6.03	63	123499	20.737	ug/l	100
25) 2-Butanone	7.00	43	117187	110.107	ug/l	95
26) 2,2-Dichloropropane	6.99	77	112902	20.375	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	85819	20.412	ug/l	98
28) Bromochloromethane	7.34	49	52376	22.231	ug/l	99
29) Tetrahydrofuran	7.35	42	80219	110.778	ug/l	98
30) Chloroform	7.52	83	126320	20.437	ug/l	99
31) Cyclohexane	7.79	56	121313	20.084	ug/l	94
32) 1,1,1-Trichloroethane	7.71	97	115098	20.153	ug/l	100
36) 1,1-Dichloropropene	7.93	75	102251	20.462	ug/l	99
37) Ethyl Acetate	7.08	43	52902	21.525	ug/l	99
38) Carbon Tetrachloride	7.91	117	107462	20.009	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	131779	19.613	ug/l	96
40) Benzene	8.16	78	295547	20.270	ug/l	98
41) Methacrylonitrile	7.32	41	26363m	17.854	ug/l	
42) 1,2-Dichloroethane	8.24	62	79695	20.724	ug/l	98
43) Isopropyl Acetate	8.28	43	101355	22.190	ug/l	99
44) Trichloroethene	8.94	130	96180	20.695	ug/l	100
45) 1,2-Dichloropropane	9.22	63	71739	20.731	ug/l	95
46) Dibromomethane	9.31	93	40086	20.619	ug/l	98
47) Bromodichloromethane	9.50	83	98499	20.759	ug/l	97
48) Methyl methacrylate	9.30	41	44774	21.290	ug/l	99
49) 1,4-Dioxane	9.30	88	11810	446.021	ug/l	97
51) 4-Methyl-2-Pentanone	10.07	43	262633	111.368	ug/l	99
52) Toluene	10.24	92	190904	20.233	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	103762	20.489	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	121760	20.739	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	62387	21.554	ug/l	97
56) Ethyl methacrylate	10.51	69	82906	21.516	ug/l	100
57) 1,3-Dichloropropane	10.79	76	102522	21.137	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	199821	105.044	ug/l	99
59) 2-Hexanone	10.83	43	182358	110.992	ug/l	100
60) Dibromochloromethane	10.99	129	76534	20.698	ug/l	98
61) 1,2-Dibromoethane	11.09	107	60001	21.041	ug/l	100
64) Tetrachloroethene	10.72	164	104174	20.307	ug/l	98
65) Chlorobenzene	11.52	112	211545	20.260	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	79241	20.448	ug/l	98
67) Ethyl Benzene	11.59	91	373005	20.346	ug/l	99
68) m/p-Xylenes	11.70	106	288160	40.401	ug/l	100
69) o-Xylene	12.03	106	137589	20.553	ug/l	98
70) Styrene	12.05	104	232170	20.200	ug/l	99
71) Bromoform	12.20	173	51259	21.399	ug/l #	99
73) Isopropylbenzene	12.33	105	374808	20.339	ug/l	100
74) N-amyl acetate	12.14	43	93619	21.649	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	58178	21.439	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	49335m	21.295	ug/l	
77) Bromobenzene	12.61	156	94268	20.461	ug/l	99
78) n-propylbenzene	12.67	91	433325	20.213	ug/l	100
79) 2-Chlorotoluene	12.75	91	240727	20.246	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	311653	20.127	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	26349	21.509	ug/l #	78
82) 4-Chlorotoluene	12.85	91	251519	20.195	ug/l	99
83) tert-Butylbenzene	13.08	119	275655	20.115	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	312155	20.172	ug/l	99
85) sec-Butylbenzene	13.25	105	382187	20.211	ug/l	99
86) p-Isopropyltoluene	13.37	119	355552	20.087	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	180375	20.306	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	180629	20.424	ug/l	99
89) n-Butylbenzene	13.70	91	325696	20.037	ug/l	100
90) Hexachloroethane	13.96	117	65050	19.842	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	162307	20.373	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11298	21.710	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	123421	19.552	ug/l	99
94) Hexachlorobutadiene	15.11	225	70462	18.226	ug/l	100
95) Naphthalene	15.23	128	226417	20.636	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	105732	19.570	ug/l	100

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

