

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY040820\
 Data File : VY002253.D
 Acq On : 08 Apr 2020 16:34
 Operator : SY/MD
 Sample : VY0408SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0408SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/9/2020 11:32:11 AM

Quant Time: Apr 09 02:08:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y040820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 08 15:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	158421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	287272	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	256343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	120713	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	90943	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
35) Dibromofluoromethane	7.73	113	88101	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
50) Toluene-d8	10.18	98	374680	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.48	95	125910	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	32259	20.148	ug/l	95
3) Chloromethane	2.12	50	41425	20.558	ug/l	97
4) Vinyl Chloride	2.26	62	44173	20.595	ug/l	96
5) Bromomethane	2.65	94	27902	21.066	ug/l	98
6) Chloroethane	2.79	64	26032	21.045	ug/l	97
7) Trichlorofluoromethane	3.13	101	56838	20.520	ug/l	94
8) Diethyl Ether	3.54	74	25803	21.913	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.90	101	39037	20.748	ug/l	98
10) Methyl Iodide	4.10	142	43002	19.662	ug/l	100
11) Tert butyl alcohol	4.96	59	23458	105.660	ug/l	99
12) 1,1-Dichloroethene	3.88	96	39575	20.689	ug/l	98
13) Acrolein	3.74	56	22502	99.060	ug/l	98
14) Allyl chloride	4.49	41	65045	21.057	ug/l	99
15) Acrylonitrile	5.18	53	62829	104.338	ug/l	99
16) Acetone	3.96	43	46706	100.656	ug/l	98
17) Carbon Disulfide	4.20	76	131614	20.717	ug/l	99
18) Methyl Acetate	4.49	43	30477	21.175	ug/l	96
19) Methyl tert-butyl Ether	5.24	73	105515	20.982	ug/l	99
20) Methylene Chloride	4.72	84	47385	20.776	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	43772	20.386	ug/l	99
22) Diisopropyl ether	6.13	45	133238	21.433	ug/l	99
23) Vinyl Acetate	6.07	43	417708	105.442	ug/l	99
24) 1,1-Dichloroethane	6.04	63	73691	20.841	ug/l	99
25) 2-Butanone	7.00	43	74575	101.556	ug/l	98
26) 2,2-Dichloropropane	7.00	77	60965	20.612	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	48717	20.814	ug/l	99
28) Bromochloromethane	7.35	49	32509	21.299	ug/l	97
29) Tetrahydrofuran	7.36	42	50721	104.492	ug/l	97
30) Chloroform	7.52	83	70260	21.080	ug/l	100
31) Cyclohexane	7.79	56	77361	20.843	ug/l #	90
32) 1,1,1-Trichloroethane	7.71	97	58460	21.072	ug/l	100
36) 1,1-Dichloropropene	7.93	75	60400	21.346	ug/l	99
37) Ethyl Acetate	7.08	43	34035	21.055	ug/l	98
38) Carbon Tetrachloride	7.91	117	50822	20.998	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	79580	20.675	ug/l	97
40) Benzene	8.17	78	180912	21.073	ug/l	98
41) Methacrylonitrile	7.32	41	14474m	15.178	ug/l	
42) 1,2-Dichloroethane	8.25	62	44187	20.778	ug/l	100
43) Isopropyl Acetate	8.28	43	61243	20.774	ug/l	100
44) Trichloroethene	8.94	130	51853	20.544	ug/l	94
45) 1,2-Dichloropropane	9.22	63	45214	21.226	ug/l	100
46) Dibromomethane	9.31	93	22818	20.488	ug/l	98
47) Bromodichloromethane	9.50	83	53411	20.901	ug/l	100
48) Methyl methacrylate	9.30	41	27928	21.127	ug/l	98
49) 1,4-Dioxane	9.30	88	6469	410.617	ug/l	90
51) 4-Methyl-2-Pentanone	10.07	43	159183	103.621	ug/l	100
52) Toluene	10.25	92	108119	20.898	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	58502	21.011	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	69227	20.681	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	35083	21.516	ug/l	95
56) Ethyl methacrylate	10.51	69	48322	20.764	ug/l	98
57) 1,3-Dichloropropane	10.79	76	60129	20.980	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	124065	102.947	ug/l	98
59) 2-Hexanone	10.83	43	110035	103.206	ug/l	100
60) Dibromochloromethane	10.99	129	35879	20.636	ug/l	100
61) 1,2-Dibromoethane	11.09	107	32135	20.702	ug/l	99
64) Tetrachloroethene	10.72	164	54692	21.103	ug/l	97
65) Chlorobenzene	11.52	112	111983	21.015	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	37191	21.140	ug/l	98
67) Ethyl Benzene	11.60	91	208921	21.417	ug/l	99
68) m/p-Xylenes	11.70	106	154531	42.295	ug/l	99
69) o-Xylene	12.03	106	73529	21.436	ug/l	100
70) Styrene	12.05	104	127040	21.347	ug/l	99
71) Bromoform	12.20	173	20289	21.207	ug/l #	100
73) Isopropylbenzene	12.33	105	194586	20.519	ug/l	98
74) N-amyl acetate	12.14	43	54593	20.280	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	24055	20.965	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	23701m	16.908	ug/l	
77) Bromobenzene	12.61	156	42610	20.423	ug/l	98
78) n-propylbenzene	12.67	91	241654	20.489	ug/l	100
79) 2-Chlorotoluene	12.75	91	132046	20.601	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	162802	20.758	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	14497	20.115	ug/l	94
82) 4-Chlorotoluene	12.86	91	137980	20.539	ug/l	100
83) tert-Butylbenzene	13.08	119	134396	20.458	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	161048	20.563	ug/l	99
85) sec-Butylbenzene	13.25	105	203524	20.797	ug/l	98
86) p-Isopropyltoluene	13.37	119	178258	21.164	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	83589	20.672	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	84530	20.594	ug/l	99
89) n-Butylbenzene	13.70	91	178400	20.663	ug/l	99
90) Hexachloroethane	13.96	117	32139	20.024	ug/l	97
91) 1,2-Dichlorobenzene	13.74	146	77220	21.017	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	5623	20.263	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	49371	20.558	ug/l	100
94) Hexachlorobutadiene	15.11	225	24280	20.073	ug/l	97
95) Naphthalene	15.23	128	109325	20.791	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	43096	20.666	ug/l	98

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

