

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020620\
 Data File : VY001532.D
 Acq On : 06 Feb 2020 15:50
 Operator : SY/MD
 Sample : VY0206SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 4:50:50 PM

Quant Time: Feb 07 04:30:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	217686	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	377060	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	339225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	163207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	114474	52.23	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	7.75	113	105248	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
50) Toluene-d8	10.20	98	442677	53.81	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.62%	
62) 4-Bromofluorobenzene	12.49	95	160085	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	37970	17.819	ug/l	97
3) Chloromethane	2.13	50	49165	22.076	ug/l	99
4) Vinyl Chloride	2.27	62	50495	21.835	ug/l	96
5) Bromomethane	2.66	94	35238	24.229	ug/l	97
6) Chloroethane	2.81	64	31919	22.899	ug/l	99
7) Trichlorofluoromethane	3.15	101	70471	18.410	ug/l	98
8) Diethyl Ether	3.56	74	25988	20.119	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.93	101	42972	18.658	ug/l	98
10) Methyl Iodide	4.12	142	50676	17.268	ug/l	99
11) Tert butyl alcohol	5.00	59	35029	125.248	ug/l #	93
12) 1,1-Dichloroethene	3.90	96	43876	19.171	ug/l	99
13) Acrolein	3.76	56	21733	104.719	ug/l	98
14) Allyl chloride	4.51	41	74654	21.323	ug/l	98
15) Acrylonitrile	5.21	53	67080	113.279	ug/l	99
16) Acetone	3.98	43	66382	104.704	ug/l	97
17) Carbon Disulfide	4.22	76	143165	19.650	ug/l	99
18) Methyl Acetate	4.52	43	32675	24.151	ug/l	94
19) Methyl tert-butyl Ether	5.26	73	122167	20.072	ug/l	99
20) Methylene Chloride	4.76	84	52106	17.961	ug/l	96
21) trans-1,2-Dichloroethene	5.26	96	49795	19.571	ug/l	96
22) Diisopropyl ether	6.16	45	153953	22.195	ug/l	95
23) Vinyl Acetate	6.10	43	504881	114.337	ug/l	95
24) 1,1-Dichloroethane	6.06	63	84646	20.288	ug/l	99
25) 2-Butanone	7.02	43	96383	117.181	ug/l	94
26) 2,2-Dichloropropane	7.02	77	77371	19.376	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	55729	20.054	ug/l	98
28) Bromochloromethane	7.38	49	31610	22.239	ug/l	90
29) Tetrahydrofuran	7.38	42	60217	122.147	ug/l	93
30) Chloroform	7.54	83	81858	19.369	ug/l	98
31) Cyclohexane	7.82	56	88127	20.649	ug/l	98
32) 1,1,1-Trichloroethane	7.74	97	72122	18.822	ug/l	97
36) 1,1-Dichloropropene	7.95	75	69288	20.087	ug/l	98
37) Ethyl Acetate	7.11	43	38590	23.110	ug/l	97
38) Carbon Tetrachloride	7.93	117	60718	18.194	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	90040	19.824	ug/l	99
40) Benzene	8.19	78	200314	20.360	ug/l	99
41) Methacrylonitrile	7.36	41	21727m	28.074	ug/l	
42) 1,2-Dichloroethane	8.27	62	55534	20.260	ug/l	98
43) Isopropyl Acetate	8.30	43	77337	23.392	ug/l	95
44) Trichloroethene	8.96	130	51338	19.358	ug/l	94
45) 1,2-Dichloropropane	9.24	63	51418	21.642	ug/l	97
46) Dibromomethane	9.33	93	26166	19.613	ug/l	98
47) Bromodichloromethane	9.52	83	62433	19.207	ug/l	97
48) Methyl methacrylate	9.32	41	34309	22.864	ug/l	93
49) 1,4-Dioxane	9.32	88	6964	395.265	ug/l	94
51) 4-Methyl-2-Pentanone	10.09	43	198300	121.791	ug/l	95
52) Toluene	10.26	92	126215	20.218	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	69354	19.589	ug/l	98
54) cis-1,3-Dichloropropene	9.95	75	80924	19.910	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	39438	20.604	ug/l	95
56) Ethyl methacrylate	10.52	69	58130	21.352	ug/l	91
57) 1,3-Dichloropropane	10.81	76	68386	20.268	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	108689	108.524	ug/l	96
59) 2-Hexanone	10.85	43	146564	123.803	ug/l	96
60) Dibromochloromethane	11.00	129	43334	19.206	ug/l	100
61) 1,2-Dibromoethane	11.10	107	37954	20.132	ug/l	97
64) Tetrachloroethene	10.74	164	43123	19.384	ug/l	96
65) Chlorobenzene	11.53	112	130337	19.568	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	44603	19.133	ug/l	99
67) Ethyl Benzene	11.60	91	241373	19.599	ug/l	100
68) m/p-Xylenes	11.71	106	182668	39.511	ug/l	100
69) o-Xylene	12.04	106	86140	19.761	ug/l	100
70) Styrene	12.05	104	150387	19.950	ug/l	99
71) Bromoform	12.22	173	25496	19.642	ug/l #	99
73) Isopropylbenzene	12.34	105	232781	18.701	ug/l	98
74) N-amyl acetate	12.15	43	74699	23.094	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.60	83	48378	20.456	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	32374m	18.445	ug/l	
77) Bromobenzene	12.62	156	50568	18.772	ug/l	94
78) n-propylbenzene	12.68	91	287118	19.267	ug/l	99
79) 2-Chlorotoluene	12.77	91	159654	18.796	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	197417	18.832	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	18188	20.051	ug/l	95
82) 4-Chlorotoluene	12.86	91	167415	18.798	ug/l	99
83) tert-Butylbenzene	13.08	119	165440	18.671	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	196218	18.912	ug/l	99
85) sec-Butylbenzene	13.26	105	242262	19.446	ug/l	100
86) p-Isopropyltoluene	13.38	119	214731	19.559	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	102039	19.766	ug/l	97
88) 1,4-Dichlorobenzene	13.45	146	102376	19.795	ug/l	99
89) n-Butylbenzene	13.70	91	213997	19.756	ug/l	99
90) Hexachloroethane	13.97	117	39168	18.588	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	92950	19.868	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	8590	19.675	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	62142	19.711	ug/l	99
94) Hexachlorobutadiene	15.12	225	31217	19.510	ug/l	98
95) Naphthalene	15.25	128	141249	19.063	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	54959	19.748	ug/l	98

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

