

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001735.D
 Acq On : 21 Feb 2020 12:29
 Operator : SY/MD
 Sample : VY0221SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0221SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:09:39 AM

Quant Time: Feb 22 04:05:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	200865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	355635	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	320000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	148495	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	103169	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
35) Dibromofluoromethane	7.75	113	95488	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	
50) Toluene-d8	10.20	98	399707	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.50	95	143354	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	34340	17.538	ug/l	100
3) Chloromethane	2.13	50	47363	17.984	ug/l	97
4) Vinyl Chloride	2.27	62	49064	18.471	ug/l	98
5) Bromomethane	2.66	94	31952	19.247	ug/l	99
6) Chloroethane	2.82	64	30843	18.843	ug/l	94
7) Trichlorofluoromethane	3.15	101	66118	19.448	ug/l	97
8) Diethyl Ether	3.56	74	25901	19.326	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.93	101	42439	19.861	ug/l	100
10) Methyl Iodide	4.13	142	47930	18.327	ug/l	100
11) Tert butyl alcohol	5.00	59	32851	117.859	ug/l #	94
12) 1,1-Dichloroethene	3.91	96	42445	19.475	ug/l	98
13) Acrolein	3.77	56	19818	90.821	ug/l	96
14) Allyl chloride	4.52	41	77496	19.980	ug/l	99
15) Acrylonitrile	5.22	53	69012	100.460	ug/l	99
16) Acetone	3.99	43	64209	85.888	ug/l	94
17) Carbon Disulfide	4.23	76	136603	18.774	ug/l	99
18) Methyl Acetate	4.52	43	33712	20.707	ug/l	99
19) Methyl tert-butyl Ether	5.27	73	118473	19.524	ug/l	96
20) Methylene Chloride	4.76	84	54633	20.574	ug/l	98
21) trans-1,2-Dichloroethene	5.27	96	48703	19.586	ug/l	97
22) Diisopropyl ether	6.16	45	159735	20.053	ug/l	96
23) Vinyl Acetate	6.10	43	508202	97.810	ug/l	100
24) 1,1-Dichloroethane	6.07	63	84532	19.856	ug/l	99
25) 2-Butanone	7.03	43	95633	94.167	ug/l	98
26) 2,2-Dichloropropane	7.02	77	72634	19.610	ug/l	100
27) cis-1,2-Dichloroethene	7.02	96	54301	19.784	ug/l	100
28) Bromochloromethane	7.37	49	33710	19.008	ug/l	98
29) Tetrahydrofuran	7.38	42	59555	97.022	ug/l	99
30) Chloroform	7.54	83	80725	19.406	ug/l	98
31) Cyclohexane	7.82	56	89230	19.658	ug/l #	92
32) 1,1,1-Trichloroethane	7.74	97	70059	20.038	ug/l	99
36) 1,1-Dichloropropene	7.95	75	67411	19.844	ug/l	100
37) Ethyl Acetate	7.11	43	40202	19.828	ug/l	99
38) Carbon Tetrachloride	7.93	117	57712	19.342	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	88702	19.682	ug/l	99
40) Benzene	8.19	78	199336	19.952	ug/l	99
41) Methacrylonitrile	7.36	41	21286m	20.909	ug/l	
42) 1,2-Dichloroethane	8.27	62	54149	19.895	ug/l	99
43) Isopropyl Acetate	8.30	43	75760	19.694	ug/l	100
44) Trichloroethene	8.96	130	49698	19.927	ug/l	94
45) 1,2-Dichloropropane	9.24	63	51140	20.439	ug/l	98
46) Dibromomethane	9.33	93	26053	19.908	ug/l	100
47) Bromodichloromethane	9.52	83	62199	19.693	ug/l	98
48) Methyl methacrylate	9.31	41	34162	19.636	ug/l	99
49) 1,4-Dioxane	9.32	88	6510	352.199	ug/l #	95
51) 4-Methyl-2-Pentanone	10.09	43	194427	98.369	ug/l	99
52) Toluene	10.26	92	124136	19.919	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	69163	19.808	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	78992	19.656	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	37977	19.680	ug/l	99
56) Ethyl methacrylate	10.53	69	56617	19.557	ug/l	96
57) 1,3-Dichloropropane	10.81	76	68607	20.009	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	146775	125.277	ug/l	100
59) 2-Hexanone	10.85	43	141448	95.379	ug/l	98
60) Dibromochloromethane	11.00	129	40552	19.061	ug/l	99
61) 1,2-Dibromoethane	11.11	107	35273	19.332	ug/l	99
64) Tetrachloroethene	10.74	164	39651	19.738	ug/l	99
65) Chlorobenzene	11.53	112	128577	20.125	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	42576	19.756	ug/l	99
67) Ethyl Benzene	11.61	91	240486	20.284	ug/l	99
68) m/p-Xylenes	11.72	106	179163	40.454	ug/l	99
69) o-Xylene	12.05	106	85317	20.263	ug/l	97
70) Styrene	12.06	104	146360	20.002	ug/l	99
71) Bromoform	12.22	173	22964	18.645	ug/l #	99
73) Isopropylbenzene	12.34	105	228179	20.170	ug/l	99
74) N-amyl acetate	12.16	43	69954	19.376	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	47877	19.821	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	30781m	18.070	ug/l	
77) Bromobenzene	12.62	156	49209	20.066	ug/l	96
78) n-propylbenzene	12.69	91	282930	20.535	ug/l	99
79) 2-Chlorotoluene	12.77	91	156627	20.269	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	190113	20.302	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	17243	19.204	ug/l	93
82) 4-Chlorotoluene	12.87	91	165994	20.367	ug/l	99
83) tert-Butylbenzene	13.09	119	158436	20.229	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	190999	20.459	ug/l	100
85) sec-Butylbenzene	13.27	105	234694	20.375	ug/l	100
86) p-Isopropyltoluene	13.38	119	203301	20.316	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	94620	19.894	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	95886	19.944	ug/l	99
89) n-Butylbenzene	13.71	91	210524	20.589	ug/l	99
90) Hexachloroethane	13.97	117	37133	19.695	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	87261	19.881	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.38	75	7658	19.210	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	58274	20.035	ug/l	100
94) Hexachlorobutadiene	15.12	225	28129	19.446	ug/l	100
95) Naphthalene	15.25	128	129389	19.293	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	50161	19.602	ug/l	99

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

