

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031120\
 Data File : VY001937.D
 Acq On : 11 Mar 2020 12:57
 Operator : SY/MD
 Sample : VY0311SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0311SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/12/2020 2:46:14 PM

Quant Time: Mar 12 02:10:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	163954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	299712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	268333	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	128367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	91639	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
35) Dibromofluoromethane	7.74	113	83248	50.87	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	10.19	98	347163	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.49	95	122814	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	29963	19.798	ug/l	93
3) Chloromethane	2.12	50	41488	20.333	ug/l	100
4) Vinyl Chloride	2.26	62	42320	20.391	ug/l	99
5) Bromomethane	2.65	94	28033	19.563	ug/l	98
6) Chloroethane	2.80	64	27279	20.923	ug/l	92
7) Trichlorofluoromethane	3.14	101	56971	20.240	ug/l	100
8) Diethyl Ether	3.55	74	24146	21.766	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	37861	20.913	ug/l	99
10) Methyl Iodide	4.11	142	40780	19.478	ug/l	99
11) Tert butyl alcohol	4.97	59	32096	168.883	ug/l #	85
12) 1,1-Dichloroethene	3.90	96	37934	20.810	ug/l	100
13) Acrolein	3.75	56	23634	96.088	ug/l	94
14) Allyl chloride	4.50	41	68107	21.075	ug/l	98
15) Acrylonitrile	5.19	53	64006	107.971	ug/l	100
16) Acetone	3.97	43	52839	103.647	ug/l	97
17) Carbon Disulfide	4.21	76	119721	19.537	ug/l	100
18) Methyl Acetate	4.50	43	28000	21.376	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	104466	21.148	ug/l	97
20) Methylene Chloride	4.74	84	50852	23.274	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	42308	20.448	ug/l	97
22) Diisopropyl ether	6.14	45	141714	21.393	ug/l	97
23) Vinyl Acetate	6.08	43	462882	106.590	ug/l	99
24) 1,1-Dichloroethane	6.04	63	74303	20.713	ug/l	99
25) 2-Butanone	7.01	43	83135	107.235	ug/l	97
26) 2,2-Dichloropropane	7.00	77	62376	21.186	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	47502	21.106	ug/l	99
28) Bromochloromethane	7.35	49	34236	21.174	ug/l	99
29) Tetrahydrofuran	7.37	42	55160	107.143	ug/l	99
30) Chloroform	7.53	83	71164	21.115	ug/l	93
31) Cyclohexane	7.80	56	79019	20.544	ug/l	98
32) 1,1,1-Trichloroethane	7.72	97	59082	20.799	ug/l	99
36) 1,1-Dichloropropene	7.94	75	59398	20.595	ug/l	99
37) Ethyl Acetate	7.10	43	38207	22.793	ug/l	99
38) Carbon Tetrachloride	7.92	117	49895	20.251	ug/l #	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	78257	20.458	ug/l	100
40) Benzene	8.18	78	178960	20.934	ug/l	100
41) Methacrylonitrile	7.33	41	13564m	17.980	ug/l	
42) 1,2-Dichloroethane	8.25	62	47331	21.486	ug/l	99
43) Isopropyl Acetate	8.29	43	67795	21.362	ug/l	98
44) Trichloroethene	8.95	130	43252	20.775	ug/l	98
45) 1,2-Dichloropropane	9.23	63	44880	20.884	ug/l	99
46) Dibromomethane	9.32	93	22941	20.716	ug/l	99
47) Bromodichloromethane	9.51	83	53629	20.818	ug/l	100
48) Methyl methacrylate	9.31	41	29688	21.082	ug/l	98
49) 1,4-Dioxane	9.31	88	6623	436.461	ug/l	91
51) 4-Methyl-2-Pentanone	10.08	43	179892	110.049	ug/l	98
52) Toluene	10.25	92	107705	20.740	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	59691	21.268	ug/l	92
54) cis-1,3-Dichloropropene	9.94	75	70156	20.998	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	33735	20.815	ug/l	97
56) Ethyl methacrylate	10.52	69	50184	21.125	ug/l	95
57) 1,3-Dichloropropane	10.80	76	59797	20.699	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	133814	148.025	ug/l	99
59) 2-Hexanone	10.84	43	123301	105.680	ug/l	99
60) Dibromochloromethane	10.99	129	35908	21.026	ug/l	99
61) 1,2-Dibromoethane	11.10	107	32039	20.870	ug/l	99
64) Tetrachloroethene	10.73	164	34826	20.696	ug/l	99
65) Chlorobenzene	11.52	112	111389	20.833	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	37176	21.203	ug/l	99
67) Ethyl Benzene	11.60	91	209136	20.973	ug/l	97
68) m/p-Xylenes	11.71	106	154975	42.038	ug/l	100
69) o-Xylene	12.03	106	72647	20.908	ug/l	100
70) Styrene	12.05	104	126036	21.178	ug/l	99
71) Bromoform	12.21	173	19751	20.772	ug/l #	99
73) Isopropylbenzene	12.34	105	194237	19.822	ug/l	99
74) N-amyl acetate	12.15	43	62763	20.840	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	43431	20.552	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	31017m	20.364	ug/l	
77) Bromobenzene	12.61	156	42883	20.655	ug/l	96
78) n-propylbenzene	12.67	91	245747	20.328	ug/l	99
79) 2-Chlorotoluene	12.76	91	134549	20.145	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	165149	20.472	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	14821	19.655	ug/l	97
82) 4-Chlorotoluene	12.86	91	140413	20.191	ug/l	98
83) tert-Butylbenzene	13.08	119	140863	21.023	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	164295	20.522	ug/l	100
85) sec-Butylbenzene	13.26	105	205535	20.811	ug/l	100
86) p-Isopropyltoluene	13.38	119	178621	20.966	ug/l	100
87) 1,3-Dichlorobenzene	13.37	146	84725	20.825	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	84014	20.355	ug/l	97
89) n-Butylbenzene	13.70	91	184234	20.843	ug/l	99
90) Hexachloroethane	13.97	117	32871	20.452	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	76990	20.830	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6979	21.165	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	48995	20.440	ug/l	95
94) Hexachlorobutadiene	15.11	225	24454	20.926	ug/l	99
95) Naphthalene	15.24	128	117778	20.715	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	44014	20.844	ug/l	98

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

