

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
 Data File : VY001611.D
 Acq On : 12 Feb 2020 13:27
 Operator : SY/MD
 Sample : VY0212SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0212SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/13/2020 12:27:59 PM

Quant Time: Feb 13 08:02:41 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	192076	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.71	114	334439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	300280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	141609	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	99255	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	7.75	113	91464	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
50) Toluene-d8	10.19	98	373100	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.49	95	134531	46.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	28880	15.360	ug/l	99
3) Chloromethane	2.13	50	40053	20.382	ug/l	98
4) Vinyl Chloride	2.27	62	41932	20.550	ug/l	95
5) Bromomethane	2.66	94	27860	21.710	ug/l	97
6) Chloroethane	2.81	64	26573	21.605	ug/l	93
7) Trichlorofluoromethane	3.15	101	56158	16.627	ug/l	96
8) Diethyl Ether	3.55	74	21331	18.716	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.93	101	35026	17.236	ug/l	99
10) Methyl Iodide	4.13	142	42276	16.327	ug/l	97
11) Tert butyl alcohol	5.00	59	26620	102.447	ug/l	97
12) 1,1-Dichloroethene	3.90	96	35022	17.343	ug/l	90
13) Acrolein	3.76	56	16881	92.185	ug/l	100
14) Allyl chloride	4.51	41	62326	20.175	ug/l	96
15) Acrylonitrile	5.21	53	57744	110.515	ug/l	100
16) Acetone	3.98	43	55217	98.706	ug/l	92
17) Carbon Disulfide	4.22	76	112308	17.470	ug/l	98
18) Methyl Acetate	4.52	43	29042	24.328	ug/l	96
19) Methyl tert-butyl Ether	5.26	73	101048	18.816	ug/l	99
20) Methylene Chloride	4.75	84	45531	17.737	ug/l	92
21) trans-1,2-Dichloroethene	5.25	96	39881	17.765	ug/l	97
22) Diisopropyl ether	6.16	45	130152	21.265	ug/l	96
23) Vinyl Acetate	6.10	43	422673	108.482	ug/l	94
24) 1,1-Dichloroethane	6.06	63	69177	18.791	ug/l	96
25) 2-Butanone	7.02	43	81069	111.704	ug/l	93
26) 2,2-Dichloropropane	7.02	77	61407	17.429	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	44423	18.117	ug/l	95
28) Bromochloromethane	7.36	49	27774	22.146	ug/l	87
29) Tetrahydrofuran	7.38	42	50798	116.780	ug/l	93
30) Chloroform	7.54	83	68782	18.445	ug/l	97
31) Cyclohexane	7.81	56	72632	19.287	ug/l	97
32) 1,1,1-Trichloroethane	7.73	97	57372	16.969	ug/l	97
36) 1,1-Dichloropropene	7.94	75	55368	18.097	ug/l	99
37) Ethyl Acetate	7.11	43	34674	23.411	ug/l	95
38) Carbon Tetrachloride	7.93	117	49212	16.625	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	73400	18.220	ug/l	97
40) Benzene	8.19	78	164025	18.796	ug/l	99
41) Methacrylonitrile	7.35	41	16558m	24.122	ug/l	
42) 1,2-Dichloroethane	8.26	62	44665	18.371	ug/l	99
43) Isopropyl Acetate	8.30	43	65367	22.291	ug/l	93
44) Trichloroethene	8.96	130	41937	17.828	ug/l	96
45) 1,2-Dichloropropane	9.24	63	41894	19.881	ug/l	97
46) Dibromomethane	9.32	93	21973	18.570	ug/l	99
47) Bromodichloromethane	9.51	83	52008	18.039	ug/l	97
48) Methyl methacrylate	9.31	41	28796	21.636	ug/l	94
49) 1,4-Dioxane	9.32	88	6162	394.316	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	169395	117.297	ug/l	95
52) Toluene	10.25	92	102447	18.502	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	56242	17.910	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	66190	18.360	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	31823	18.745	ug/l	99
56) Ethyl methacrylate	10.52	69	46724	19.350	ug/l	90
57) 1,3-Dichloropropane	10.80	76	57447	19.196	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	94609	106.504	ug/l	95
59) 2-Hexanone	10.84	43	120999	115.234	ug/l	95
60) Dibromochloromethane	10.99	129	35285	17.632	ug/l	100
61) 1,2-Dibromoethane	11.10	107	29945	17.908	ug/l	99
64) Tetrachloroethene	10.73	164	33578	17.051	ug/l	98
65) Chlorobenzene	11.52	112	105516	17.896	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	36188	17.537	ug/l	99
67) Ethyl Benzene	11.60	91	196961	18.067	ug/l	100
68) m/p-Xylenes	11.70	106	147494	36.040	ug/l	98
69) o-Xylene	12.03	106	70456	18.259	ug/l	100
70) Styrene	12.05	104	120828	18.108	ug/l	98
71) Bromoform	12.21	173	20146	17.533	ug/l #	98
73) Isopropylbenzene	12.33	105	188067	17.413	ug/l	100
74) N-amyl acetate	12.14	43	59627	21.246	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	40109	19.547	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	26853m	17.633	ug/l	
77) Bromobenzene	12.61	156	41345	17.689	ug/l	96
78) n-propylbenzene	12.67	91	231781	17.926	ug/l	99
79) 2-Chlorotoluene	12.76	91	127395	17.285	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	156714	17.230	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	14376	18.266	ug/l	94
82) 4-Chlorotoluene	12.86	91	134168	17.363	ug/l	99
83) tert-Butylbenzene	13.08	119	129778	16.880	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	156741	17.411	ug/l	98
85) sec-Butylbenzene	13.25	105	195265	18.064	ug/l	99
86) p-Isopropyltoluene	13.38	119	169160	17.758	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	80763	18.030	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	79952	17.817	ug/l	100
89) n-Butylbenzene	13.70	91	170332	18.123	ug/l	99
90) Hexachloroethane	13.97	117	31627	17.298	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	73146	18.020	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6643	17.536	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	48532	17.742	ug/l	98
94) Hexachlorobutadiene	15.11	225	23209	16.717	ug/l	98
95) Naphthalene	15.24	128	110139	17.132	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	42885	17.760	ug/l	97

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

