

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070920\
 Data File : VY003143.D
 Acq On : 09 Jul 2020 13:44
 Operator : SY/MD
 Sample : VY0709SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0709SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/10/2020 12:18:32 PM

Quant Time: Jul 10 04:09:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y062920S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 30 04:11:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	440011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	625958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	569195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	307744	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	200583	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
35) Dibromofluoromethane	7.72	113	203578	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	10.18	98	748595	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.48	95	269862	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	60334	18.106	ug/l	92
3) Chloromethane	2.11	50	87882	18.009	ug/l	97
4) Vinyl Chloride	2.26	62	91376	19.197	ug/l	99
5) Bromomethane	2.65	94	73260	22.668	ug/l	99
6) Chloroethane	2.80	64	61153	20.196	ug/l	99
7) Trichlorofluoromethane	3.13	101	141093	21.001	ug/l	99
8) Diethyl Ether	3.53	74	46287	20.097	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.90	101	85005	21.191	ug/l	97
10) Methyl Iodide	4.10	142	91233	18.341	ug/l	98
11) Tert butyl alcohol	4.96	59	42525	95.482	ug/l	100
12) 1,1-Dichloroethene	3.88	96	79338	20.787	ug/l	88
13) Acrolein	3.74	56	27047	67.616	ug/l	96
14) Allyl chloride	4.49	41	117864	17.687	ug/l	96
15) Acrylonitrile	5.18	53	107479	90.547	ug/l	99
16) Acetone	3.96	43	85806	83.250	ug/l	97
17) Carbon Disulfide	4.20	76	230424	18.895	ug/l	98
18) Methyl Acetate	4.49	43	50066	18.030	ug/l	93
19) Methyl tert-butyl Ether	5.23	73	222848	20.030	ug/l	99
20) Methylene Chloride	4.72	84	105073	18.446	ug/l	89
21) trans-1,2-Dichloroethene	5.22	96	91408	21.172	ug/l	98
22) Diisopropyl ether	6.13	45	264010	18.484	ug/l	96
23) Vinyl Acetate	6.07	43	837327	87.687	ug/l	95
24) 1,1-Dichloroethane	6.02	63	153566	19.683	ug/l	94
25) 2-Butanone	6.99	43	138431	84.550	ug/l	96
26) 2,2-Dichloropropane	6.99	77	142926	20.163	ug/l	100
27) cis-1,2-Dichloroethene	6.99	96	99886	20.627	ug/l	94
28) Bromochloromethane	7.35	49	60965	17.562	ug/l	88
29) Tetrahydrofuran	7.35	42	94094	86.421	ug/l	92
30) Chloroform	7.52	83	161523	20.897	ug/l	98
31) Cyclohexane	7.78	56	146642	19.079	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	145598	20.636	ug/l	99
36) 1,1-Dichloropropene	7.92	75	126329	20.952	ug/l	98
37) Ethyl Acetate	7.08	43	65489	18.065	ug/l	95
38) Carbon Tetrachloride	7.91	117	133624	21.300	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	155025	20.737	ug/l	95
40) Benzene	8.17	78	346965	21.019	ug/l	99
41) Methacrylonitrile	7.32	41	27991m	14.454	ug/l	
42) 1,2-Dichloroethane	8.24	62	106557	20.405	ug/l	98
43) Isopropyl Acetate	8.28	43	126268	18.321	ug/l	95
44) Trichloroethene	8.94	130	106567	22.211	ug/l	99
45) 1,2-Dichloropropane	9.22	63	89767	20.213	ug/l	100
46) Dibromomethane	9.31	93	51814	20.890	ug/l	96
47) Bromodichloromethane	9.50	83	125837	20.719	ug/l	99
48) Methyl methacrylate	9.30	41	56827	18.115	ug/l	93
49) 1,4-Dioxane	9.30	88	12828	423.674	ug/l	87
51) 4-Methyl-2-Pentanone	10.07	43	331694	93.119	ug/l	97
52) Toluene	10.24	92	224600	21.614	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	127868	20.081	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	147535	20.259	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	73900	21.441	ug/l	97
56) Ethyl methacrylate	10.51	69	98005	19.643	ug/l	94
57) 1,3-Dichloropropane	10.79	76	126349	20.881	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	223887	87.494	ug/l	97
59) 2-Hexanone	10.83	43	227288	91.289	ug/l	97
60) Dibromochloromethane	10.99	129	92766	21.031	ug/l	99
61) 1,2-Dibromoethane	11.09	107	71484	21.037	ug/l	99
64) Tetrachloroethene	10.72	164	119311	24.767	ug/l	99
65) Chlorobenzene	11.52	112	248661	22.155	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	94433	21.551	ug/l	100
67) Ethyl Benzene	11.59	91	445982	21.721	ug/l	99
68) m/p-Xylenes	11.70	106	339346	44.406	ug/l	97
69) o-Xylene	12.03	106	157829	21.917	ug/l	95
70) Styrene	12.05	104	267671	21.758	ug/l	98
71) Bromoform	12.21	173	62717	21.465	ug/l #	98
73) Isopropylbenzene	12.33	105	437940	21.744	ug/l	99
74) N-amyl acetate	12.14	43	118959	18.143	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.58	83	80076	19.702	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	65113m	21.378	ug/l	
77) Bromobenzene	12.61	156	111654	21.622	ug/l	95
78) n-propylbenzene	12.67	91	524150	21.640	ug/l	99
79) 2-Chlorotoluene	12.76	91	284552	21.047	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	367077	21.719	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	28872	18.443	ug/l	99
82) 4-Chlorotoluene	12.86	91	303119	21.534	ug/l	97
83) tert-Butylbenzene	13.08	119	319160	21.506	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	366873	21.543	ug/l	99
85) sec-Butylbenzene	13.25	105	451251	22.061	ug/l	100
86) p-Isopropyltoluene	13.37	119	416288	21.963	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	213006	22.094	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	209369	22.023	ug/l	99
89) n-Butylbenzene	13.70	91	398481	21.973	ug/l	99
90) Hexachloroethane	13.96	117	76340	20.283	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	187977	21.731	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	13433	18.670	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	141377	21.995	ug/l	98
94) Hexachlorobutadiene	15.11	225	95492	23.553	ug/l	96
95) Naphthalene	15.24	128	237133	20.199	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	117077	20.977	ug/l	98

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

