

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY072320\
 Data File : VY003310.D
 Acq On : 23 Jul 2020 12:33
 Operator : SY/MD
 Sample : VY0723SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0723SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/24/2020 12:58:26 PM

Quant Time: Jul 24 07:45:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y071020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 13:18:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	444881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	654645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	599371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	324873	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	180196	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
35) Dibromofluoromethane	7.72	113	171323	45.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.96%	
50) Toluene-d8	10.18	98	632776	45.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.36%	
62) 4-Bromofluorobenzene	12.48	95	228206	45.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	76590	24.020	ug/l	99
3) Chloromethane	2.12	50	98130	22.187	ug/l	100
4) Vinyl Chloride	2.26	62	101977	22.472	ug/l	95
5) Bromomethane	2.64	94	78166	23.191	ug/l	98
6) Chloroethane	2.79	64	66653	22.363	ug/l	99
7) Trichlorofluoromethane	3.13	101	149907	23.132	ug/l	99
8) Diethyl Ether	3.53	74	48953	22.542	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.90	101	85209	21.771	ug/l	99
10) Methyl Iodide	4.10	142	86558	20.356	ug/l	97
11) Tert butyl alcohol	4.96	59	45109	111.098	ug/l	97
12) 1,1-Dichloroethene	3.87	96	82071	22.169	ug/l	96
13) Acrolein	3.74	56	26979	76.553	ug/l	95
14) Allyl chloride	4.48	41	134382	24.463	ug/l	94
15) Acrylonitrile	5.17	53	122790	117.710	ug/l	100
16) Acetone	3.95	43	97952	116.784	ug/l	92
17) Carbon Disulfide	4.19	76	253573	22.322	ug/l	97
18) Methyl Acetate	4.48	43	58892	25.283	ug/l	96
19) Methyl tert-butyl Ether	5.22	73	230442	22.213	ug/l	96
20) Methylene Chloride	4.72	84	122139	26.342	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	92461	22.082	ug/l	94
22) Diisopropyl ether	6.13	45	296291	24.303	ug/l	96
23) Vinyl Acetate	6.07	43	937031	115.315	ug/l	98
24) 1,1-Dichloroethane	6.02	63	163370	23.130	ug/l	98
25) 2-Butanone	6.99	43	157769	114.563	ug/l	96
26) 2,2-Dichloropropane	6.99	77	149206	23.457	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	102798	22.298	ug/l	98
28) Bromochloromethane	7.34	49	69616	22.766	ug/l	97
29) Tetrahydrofuran	7.35	42	105810	114.372	ug/l	97
30) Chloroform	7.51	83	166636	22.907	ug/l	93
31) Cyclohexane	7.79	56	155703	22.797	ug/l	95
32) 1,1,1-Trichloroethane	7.71	97	148459	22.669	ug/l	98
36) 1,1-Dichloropropene	7.92	75	130526	21.999	ug/l	99
37) Ethyl Acetate	7.08	43	73091	22.875	ug/l	97
38) Carbon Tetrachloride	7.90	117	135688	22.152	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	159213	21.361	ug/l	98
40) Benzene	8.16	78	361826	22.148	ug/l	96
41) Methacrylonitrile	7.33	41	40863m	21.234	ug/l	
42) 1,2-Dichloroethane	8.24	62	110669	22.004	ug/l	100
43) Isopropyl Acetate	8.28	43	135851	21.965	ug/l	99
44) Trichloroethene	8.94	130	102727	20.512	ug/l	96
45) 1,2-Dichloropropane	9.22	63	96715	22.879	ug/l	96
46) Dibromomethane	9.30	93	52505	21.266	ug/l	98
47) Bromodichloromethane	9.50	83	132274	22.526	ug/l	99
48) Methyl methacrylate	9.29	41	61370	22.196	ug/l	93
49) 1,4-Dioxane	9.30	88	12687	404.872	ug/l #	79
51) 4-Methyl-2-Pentanone	10.07	43	356904	111.023	ug/l	98
52) Toluene	10.24	92	226859	21.725	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	134378	22.087	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	155692	22.210	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	76338	21.819	ug/l	98
56) Ethyl methacrylate	10.51	69	102482	21.545	ug/l	96
57) 1,3-Dichloropropane	10.79	76	130718	22.035	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	267562	110.296	ug/l	99
59) 2-Hexanone	10.83	43	251000	111.850	ug/l	98
60) Dibromochloromethane	10.99	129	95768	21.763	ug/l	99
61) 1,2-Dibromoethane	11.09	107	73033	21.150	ug/l	97
64) Tetrachloroethene	10.72	164	106581	19.943	ug/l	96
65) Chlorobenzene	11.52	112	250085	21.659	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.59	131	97723	21.791	ug/l	98
67) Ethyl Benzene	11.59	91	453642	22.004	ug/l	98
68) m/p-Xylenes	11.70	106	340273	43.500	ug/l	98
69) o-Xylene	12.03	106	159775	21.863	ug/l	98
70) Styrene	12.04	104	276708	22.134	ug/l	99
71) Bromoform	12.20	173	61444	20.875	ug/l #	99
73) Isopropylbenzene	12.33	105	441323	21.317	ug/l	100
74) N-amyl acetate	12.14	43	127235	21.903	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	86552	21.646	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	63226m	21.986	ug/l	
77) Bromobenzene	12.61	156	112127	21.247	ug/l	98
78) n-propylbenzene	12.67	91	527485	21.615	ug/l	99
79) 2-Chlorotoluene	12.75	91	290889	21.364	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	375008	21.733	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	32408	21.933	ug/l	96
82) 4-Chlorotoluene	12.85	91	306935	21.598	ug/l	100
83) tert-Butylbenzene	13.08	119	330892	21.733	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	380190	21.898	ug/l	98
85) sec-Butylbenzene	13.25	105	456114	21.796	ug/l	100
86) p-Isopropyltoluene	13.37	119	422818	21.640	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	214320	21.476	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	215624	21.824	ug/l	99
89) n-Butylbenzene	13.69	91	406586	22.123	ug/l	99
90) Hexachloroethane	13.96	117	80925	22.743	ug/l	100
91) 1,2-Dichlorobenzene	13.73	146	193430	22.087	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	13984	21.572	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	134491	21.586	ug/l	98
94) Hexachlorobutadiene	15.11	225	91005	21.317	ug/l	99
95) Naphthalene	15.23	128	217776	21.150	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	107507	21.829	ug/l	98

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

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