

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY070720\
 Data File : VY003119.D
 Acq On : 07 Jul 2020 12:03
 Operator : SY/MD
 Sample : VY0707SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0707SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/8/2020 12:20:35 PM

Quant Time: Jul 08 04:00:38 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	428505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	618963	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	556441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	297900	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.14	65	206600	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
35) Dibromofluoromethane	7.72	113	205041	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.18	98	764742	53.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.48	95	266264	52.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	55403	17.072	ug/l	95
3) Chloromethane	2.12	50	81477	17.145	ug/l	99
4) Vinyl Chloride	2.26	62	88335	19.056	ug/l	97
5) Bromomethane	2.65	94	68527	21.773	ug/l	98
6) Chloroethane	2.79	64	58956	19.993	ug/l	95
7) Trichlorofluoromethane	3.13	101	132513	20.254	ug/l	94
8) Diethyl Ether	3.53	74	43286	19.299	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.91	101	81589	20.885	ug/l	98
10) Methyl Iodide	4.10	142	94929	19.597	ug/l	99
11) Tert butyl alcohol	4.96	59	39360	90.748	ug/l	100
12) 1,1-Dichloroethene	3.88	96	74497	20.042	ug/l	93
13) Acrolein	3.74	56	31072	79.764	ug/l	97
14) Allyl chloride	4.49	41	113737	17.526	ug/l	97
15) Acrylonitrile	5.18	53	101000	87.373	ug/l	99
16) Acetone	3.95	43	79111	78.816	ug/l	95
17) Carbon Disulfide	4.20	76	223429	18.814	ug/l	98
18) Methyl Acetate	4.48	43	47302	17.492	ug/l	94
19) Methyl tert-butyl Ether	5.22	73	208975	19.288	ug/l	98
20) Methylene Chloride	4.72	84	96432	16.917	ug/l	92
21) trans-1,2-Dichloroethene	5.22	96	85749	20.395	ug/l	92
22) Diisopropyl ether	6.13	45	251693	18.095	ug/l	96
23) Vinyl Acetate	6.07	43	805110	86.577	ug/l	96
24) 1,1-Dichloroethane	6.03	63	147434	19.404	ug/l	100
25) 2-Butanone	7.00	43	133052	83.446	ug/l	100
26) 2,2-Dichloropropane	6.99	77	134614	19.500	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	95128	20.172	ug/l	95
28) Bromochloromethane	7.34	49	56428	16.691	ug/l	86
29) Tetrahydrofuran	7.35	42	88921	83.862	ug/l	92
30) Chloroform	7.51	83	151364	20.109	ug/l	98
31) Cyclohexane	7.79	56	135699	18.129	ug/l	90
32) 1,1,1-Trichloroethane	7.71	97	136464	19.861	ug/l	100
36) 1,1-Dichloropropene	7.93	75	118421	19.862	ug/l	98
37) Ethyl Acetate	7.08	43	62780	17.513	ug/l	98
38) Carbon Tetrachloride	7.91	117	123974	19.986	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	148479	20.086	ug/l	97
40) Benzene	8.16	78	332298	20.358	ug/l	100
41) Methacrylonitrile	7.33	41	31913m	16.666	ug/l	
42) 1,2-Dichloroethane	8.24	62	99738	19.315	ug/l	100
43) Isopropyl Acetate	8.28	43	118509	17.390	ug/l	95
44) Trichloroethene	8.94	130	101399	21.373	ug/l	97
45) 1,2-Dichloropropane	9.22	63	84849	19.322	ug/l	98
46) Dibromomethane	9.31	93	49252	20.081	ug/l	97
47) Bromodichloromethane	9.50	83	121754	20.273	ug/l	99
48) Methyl methacrylate	9.30	41	53637	17.292	ug/l	94
49) 1,4-Dioxane	9.30	88	11613	387.881	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	310663	88.200	ug/l	99
52) Toluene	10.24	92	211395	20.573	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	120625	19.157	ug/l	97
54) cis-1,3-Dichloropropene	9.93	75	138965	19.298	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	70200	20.597	ug/l	99
56) Ethyl methacrylate	10.51	69	92341	18.717	ug/l	94
57) 1,3-Dichloropropane	10.79	76	118579	19.819	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	224960	88.907	ug/l	97
59) 2-Hexanone	10.83	43	213893	86.880	ug/l	99
60) Dibromochloromethane	10.99	129	87657	20.098	ug/l	100
61) 1,2-Dibromoethane	11.09	107	67733	20.159	ug/l	100
64) Tetrachloroethene	10.72	164	107157	22.754	ug/l	95
65) Chlorobenzene	11.52	112	234863	21.406	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	90057	21.023	ug/l	98
67) Ethyl Benzene	11.59	91	412091	20.530	ug/l	100
68) m/p-Xylenes	11.70	106	311798	41.737	ug/l	99
69) o-Xylene	12.03	106	149323	21.211	ug/l	95
70) Styrene	12.04	104	253747	21.099	ug/l	98
71) Bromoform	12.20	173	58458	20.466	ug/l #	100
73) Isopropylbenzene	12.33	105	411066	21.084	ug/l	99
74) N-amyl acetate	12.14	43	112733	17.762	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	76510	19.446	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	56406m	19.132	ug/l	
77) Bromobenzene	12.61	156	103784	20.762	ug/l	96
78) n-propylbenzene	12.67	91	490442	20.917	ug/l	99
79) 2-Chlorotoluene	12.75	91	269905	20.623	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	340762	20.829	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	27054	17.853	ug/l	98
82) 4-Chlorotoluene	12.85	91	280058	20.553	ug/l	99
83) tert-Butylbenzene	13.08	119	302714	21.072	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	346615	21.026	ug/l	100
85) sec-Butylbenzene	13.25	105	419661	21.194	ug/l	100
86) p-Isopropyltoluene	13.37	119	391007	21.311	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	197310	21.142	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	196766	21.381	ug/l	99
89) n-Butylbenzene	13.69	91	372615	21.226	ug/l	99
90) Hexachloroethane	13.96	117	72076	19.783	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	174798	20.875	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	13167	18.905	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	128986	20.731	ug/l	100
94) Hexachlorobutadiene	15.11	225	87472	22.288	ug/l	98
95) Naphthalene	15.23	128	218690	19.243	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	107389	19.877	ug/l	99

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

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