

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001851.D
 Acq On : 04 Mar 2020 14:23
 Operator : SY/MD
 Sample : VY0304SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0304SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:37:21 PM

Quant Time: Mar 05 04:32:11 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	183566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	329088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	297213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	139641	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	104332	53.24	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.48%	
35) Dibromofluoromethane	7.74	113	95420	53.10	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.20%	
50) Toluene-d8	10.19	98	404760	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
62) 4-Bromofluorobenzene	12.49	95	140081	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	35031	20.674	ug/l	95
3) Chloromethane	2.12	50	47676	20.869	ug/l	98
4) Vinyl Chloride	2.26	62	48049	20.678	ug/l	96
5) Bromomethane	2.65	94	31911	20.001	ug/l	91
6) Chloroethane	2.80	64	29813	20.424	ug/l	92
7) Trichlorofluoromethane	3.13	101	64444	20.449	ug/l	99
8) Diethyl Ether	3.54	74	27031	21.763	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	42870	21.150	ug/l	98
10) Methyl Iodide	4.11	142	47409	20.225	ug/l	98
11) Tert butyl alcohol	4.98	59	27080	121.150	ug/l	98
12) 1,1-Dichloroethene	3.89	96	42916	21.028	ug/l	99
13) Acrolein	3.74	56	30725	111.572	ug/l	97
14) Allyl chloride	4.50	41	77223	21.343	ug/l	99
15) Acrylonitrile	5.19	53	70444	106.135	ug/l	100
16) Acetone	3.96	43	58820	103.052	ug/l	96
17) Carbon Disulfide	4.21	76	140088	20.419	ug/l	100
18) Methyl Acetate	4.50	43	31179	21.260	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	117633	21.269	ug/l	100
20) Methylene Chloride	4.74	84	51291	20.967	ug/l	92
21) trans-1,2-Dichloroethene	5.24	96	48285	20.844	ug/l	96
22) Diisopropyl ether	6.14	45	155570	20.976	ug/l	99
23) Vinyl Acetate	6.08	43	517024	106.338	ug/l	99
24) 1,1-Dichloroethane	6.05	63	83128	20.698	ug/l	99
25) 2-Butanone	7.01	43	91430	105.334	ug/l	97
26) 2,2-Dichloropropane	7.00	77	68690	20.837	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	53796	21.349	ug/l	99
28) Bromochloromethane	7.35	49	36747	20.299	ug/l	98
29) Tetrahydrofuran	7.36	42	61706	107.053	ug/l	100
30) Chloroform	7.52	83	78429	20.784	ug/l	98
31) Cyclohexane	7.80	56	89070	20.683	ug/l	97
32) 1,1,1-Trichloroethane	7.72	97	66855	21.021	ug/l	98
36) 1,1-Dichloropropene	7.94	75	66947	21.140	ug/l	99
37) Ethyl Acetate	7.10	43	40971	22.260	ug/l	99
38) Carbon Tetrachloride	7.91	117	56758	20.980	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	87526	20.838	ug/l	96
40) Benzene	8.18	78	197119	21.000	ug/l	99
41) Methacrylonitrile	7.33	41	20424m	24.657	ug/l	
42) 1,2-Dichloroethane	8.25	62	52848	21.849	ug/l	99
43) Isopropyl Acetate	8.28	43	74878	21.488	ug/l	99
44) Trichloroethene	8.96	130	47789	20.905	ug/l	94
45) 1,2-Dichloropropane	9.23	63	50747	21.507	ug/l	98
46) Dibromomethane	9.32	93	26198	21.545	ug/l	95
47) Bromodichloromethane	9.51	83	59591	21.068	ug/l	96
48) Methyl methacrylate	9.30	41	34454	22.282	ug/l	97
49) 1,4-Dioxane	9.31	88	6589	395.460	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	194423	108.321	ug/l	99
52) Toluene	10.25	92	121542	21.315	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	66603	21.613	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	78639	21.436	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	37529	21.089	ug/l	96
56) Ethyl methacrylate	10.52	69	56661	21.723	ug/l	96
57) 1,3-Dichloropropane	10.80	76	68013	21.441	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	140853	140.378	ug/l	100
59) 2-Hexanone	10.84	43	139864	109.175	ug/l	99
60) Dibromochloromethane	10.99	129	39880	21.268	ug/l	98
61) 1,2-Dibromoethane	11.10	107	36552	21.684	ug/l	99
64) Tetrachloroethene	10.73	164	38376	20.589	ug/l	97
65) Chlorobenzene	11.52	112	123742	20.895	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	41190	21.210	ug/l	100
67) Ethyl Benzene	11.60	91	232126	21.017	ug/l	98
68) m/p-Xylenes	11.71	106	172419	42.225	ug/l	100
69) o-Xylene	12.03	106	79723	20.715	ug/l	96
70) Styrene	12.05	104	140964	21.385	ug/l	99
71) Bromoform	12.22	173	21858	20.754	ug/l #	98
73) Isopropylbenzene	12.34	105	220061	20.644	ug/l	100
74) N-amyl acetate	12.15	43	68781	20.994	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	48036	20.896	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	33917m	20.470	ug/l	
77) Bromobenzene	12.61	156	46502	20.590	ug/l	99
78) n-propylbenzene	12.68	91	274771	20.893	ug/l	99
79) 2-Chlorotoluene	12.77	91	148582	20.450	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	182829	20.834	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	16637	20.282	ug/l	96
82) 4-Chlorotoluene	12.86	91	159438	21.076	ug/l	99
83) tert-Butylbenzene	13.08	119	153098	21.004	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	184356	21.168	ug/l	100
85) sec-Butylbenzene	13.26	105	227920	21.214	ug/l	100
86) p-Isopropyltoluene	13.38	119	196090	21.158	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	91828	20.749	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	93853	20.903	ug/l	99
89) n-Butylbenzene	13.70	91	203085	21.121	ug/l	99
90) Hexachloroethane	13.97	117	36161	20.683	ug/l	100
91) 1,2-Dichlorobenzene	13.75	146	85806	21.341	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	7595	21.173	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	56575	21.697	ug/l	99
94) Hexachlorobutadiene	15.12	225	26740	21.034	ug/l	99
95) Naphthalene	15.24	128	132351	21.399	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	49831	21.694	ug/l	99

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

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