

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
 Data File : VY001734.D
 Acq On : 21 Feb 2020 12:08
 Operator : SY/MD
 Sample : VY0221SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0221SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:09:37 AM

Quant Time: Feb 22 04:03:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.83	168	198596	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	356430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.51	117	318676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	148850	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	105779	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
35) Dibromofluoromethane	7.75	113	97327	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
50) Toluene-d8	10.21	98	406689	50.85	ug/l	0.01
Spiked Amount			Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.50	95	146925	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	33342	17.223	ug/l	99
3) Chloromethane	2.13	50	48520	18.634	ug/l	100
4) Vinyl Chloride	2.27	62	48642	18.521	ug/l	97
5) Bromomethane	2.67	94	33593	20.466	ug/l	99
6) Chloroethane	2.82	64	31312	19.348	ug/l	96
7) Trichlorofluoromethane	3.15	101	66534	19.794	ug/l	99
8) Diethyl Ether	3.56	74	25424	19.187	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.94	101	41782	19.777	ug/l	99
10) Methyl Iodide	4.13	142	46091	17.826	ug/l	99
11) Tert butyl alcohol	4.99	59	31294	112.527	ug/l #	94
12) 1,1-Dichloroethene	3.90	96	42818	19.871	ug/l	93
13) Acrolein	3.77	56	18809	87.182	ug/l	98
14) Allyl chloride	4.52	41	76774	20.020	ug/l	98
15) Acrylonitrile	5.21	53	68662	101.092	ug/l	99
16) Acetone	3.99	43	61940	83.799	ug/l	94
17) Carbon Disulfide	4.23	76	135037	18.771	ug/l	100
18) Methyl Acetate	4.52	43	34367	21.350	ug/l	98
19) Methyl tert-butyl Ether	5.27	73	117786	19.633	ug/l	97
20) Methylene Chloride	4.76	84	53797	20.491	ug/l	98
21) trans-1,2-Dichloroethene	5.27	96	48758	19.833	ug/l	99
22) Diisopropyl ether	6.16	45	159460	20.248	ug/l	98
23) Vinyl Acetate	6.10	43	501243	97.573	ug/l	98
24) 1,1-Dichloroethane	6.07	63	84837	20.155	ug/l	99
25) 2-Butanone	7.03	43	93299	92.918	ug/l	99
26) 2,2-Dichloropropane	7.02	77	74379	20.310	ug/l	97
27) cis-1,2-Dichloroethene	7.02	96	53800	19.825	ug/l	99
28) Bromochloromethane	7.37	49	33346	19.018	ug/l	99
29) Tetrahydrofuran	7.38	42	59458	97.970	ug/l	98
30) Chloroform	7.54	83	81035	19.703	ug/l	98
31) Cyclohexane	7.82	56	88092	19.629	ug/l #	93
32) 1,1,1-Trichloroethane	7.74	97	68421	19.793	ug/l	98
36) 1,1-Dichloropropene	7.95	75	66378	19.497	ug/l	99
37) Ethyl Acetate	7.11	43	39234	19.308	ug/l	98
38) Carbon Tetrachloride	7.94	117	60088	20.093	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	87856	19.451	ug/l	100
40) Benzene	8.19	78	199546	19.928	ug/l	100
41) Methacrylonitrile	7.36	41	19990m	19.592	ug/l	
42) 1,2-Dichloroethane	8.27	62	54653	20.035	ug/l	99
43) Isopropyl Acetate	8.30	43	73814	19.145	ug/l	99
44) Trichloroethene	8.97	130	49306	19.726	ug/l	97
45) 1,2-Dichloropropane	9.24	63	49618	19.786	ug/l	97
46) Dibromomethane	9.33	93	25422	19.382	ug/l	99
47) Bromodichloromethane	9.52	83	61311	19.368	ug/l	98
48) Methyl methacrylate	9.31	41	33100	18.983	ug/l	98
49) 1,4-Dioxane	9.32	88	6756	364.693	ug/l	90
51) 4-Methyl-2-Pentanone	10.10	43	193227	97.544	ug/l	99
52) Toluene	10.27	92	123174	19.721	ug/l	100
53) t-1,3-Dichloropropene	10.49	75	68038	19.442	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	78538	19.499	ug/l	99
55) 1,1,2-Trichloroethane	10.67	97	37984	19.640	ug/l	97
56) Ethyl methacrylate	10.53	69	55460	19.115	ug/l	99
57) 1,3-Dichloropropane	10.81	76	68258	19.863	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.81	63	143331	121.534	ug/l	99
59) 2-Hexanone	10.85	43	139178	93.639	ug/l	97
60) Dibromochloromethane	11.00	129	41082	19.267	ug/l	99
61) 1,2-Dibromoethane	11.11	107	35743	19.546	ug/l	99
64) Tetrachloroethene	10.74	164	39229	19.609	ug/l	98
65) Chlorobenzene	11.53	112	128238	20.156	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.61	131	43251	20.152	ug/l	100
67) Ethyl Benzene	11.61	91	235308	19.930	ug/l	98
68) m/p-Xylenes	11.72	106	176693	40.062	ug/l	99
69) o-Xylene	12.05	106	83155	19.832	ug/l	99
70) Styrene	12.06	104	143132	19.642	ug/l	100
71) Bromoform	12.23	173	22861	18.639	ug/l #	99
73) Isopropylbenzene	12.35	105	224224	19.773	ug/l	100
74) N-amyl acetate	12.16	43	69085	19.090	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.60	83	47118	19.460	ug/l	100
76) 1,2,3-Trichloropropane	12.65	75	33982m	19.902	ug/l	
77) Bromobenzene	12.63	156	48823	19.861	ug/l	95
78) n-propylbenzene	12.69	91	277955	20.126	ug/l	100
79) 2-Chlorotoluene	12.78	91	155288	20.048	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	187117	19.934	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	17302	19.224	ug/l	95
82) 4-Chlorotoluene	12.88	91	160871	19.691	ug/l	98
83) tert-Butylbenzene	13.09	119	159584	20.327	ug/l	99
84) 1,2,4-Trimethylbenzene	13.14	105	188311	20.122	ug/l	100
85) sec-Butylbenzene	13.27	105	230036	19.923	ug/l	99
86) p-Isopropyltoluene	13.39	119	200910	20.029	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	93580	19.629	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	95364	19.788	ug/l	99
89) n-Butylbenzene	13.72	91	205169	20.017	ug/l	100
90) Hexachloroethane	13.98	117	37480	19.832	ug/l	99
91) 1,2-Dichlorobenzene	13.76	146	84365	19.175	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.38	75	7741	19.372	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	54817	18.801	ug/l	97
94) Hexachlorobutadiene	15.13	225	27396	18.894	ug/l	99
95) Naphthalene	15.25	128	125966	18.738	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	49078	19.133	ug/l	98

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

