

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000013.D
 Acq On : 11 Sep 2019 21:06
 Operator : SY/MD
 Sample : MDL 3 PPB
 Misc : 5.00µg/5.00ml/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:51:41 PM

Quant Time: Sep 19 11:33:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:26:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	136325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	268076	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	226456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	95404	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	73167	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
35) Dibromofluoromethane	7.72	113	70372	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	
50) Toluene-d8	10.18	98	300516	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.48	95	101127	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	3674	3.590	ug/l	92
3) Chloromethane	2.10	50	7461	3.881	ug/l	91
4) Vinyl Chloride	2.25	62	5470	3.462	ug/l	94
5) Bromomethane	2.64	94	4702	5.100	ug/l	89
6) Chloroethane	2.79	64	4036	3.874	ug/l #	62
7) Trichlorofluoromethane	3.12	101	7640	3.926	ug/l	96
8) Diethyl Ether	3.54	74	3045	3.990	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.89	101	4562	3.502	ug/l	97
10) Methyl Iodide	4.09	142	3978	2.624	ug/l #	86
11) Tert butyl alcohol	4.97	59	3101	18.657	ug/l #	85
12) 1,1-Dichloroethene	3.86	96	4628	3.670	ug/l	83
13) Acrolein	3.73	56	2585	19.095	ug/l #	69
14) Allyl chloride	4.47	41	6326	3.298	ug/l	97
15) Acrylonitrile	5.17	53	8277	16.529	ug/l	97
16) Acetone	3.95	43	7158	18.564	ug/l #	86
17) Carbon Disulfide	4.18	76	10950	4.144	ug/l #	92
18) Methyl Acetate	4.48	43	4648	3.969	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	12138	3.417	ug/l #	83
20) Methylene Chloride	4.71	84	8508	5.364	ug/l #	86
21) trans-1,2-Dichloroethene	5.22	96	5282	3.888	ug/l	91
22) Diisopropyl ether	6.12	45	12714	3.049	ug/l #	88
23) Vinyl Acetate	6.07	43	43675	15.449	ug/l	99
24) 1,1-Dichloroethane	6.03	63	8336	3.337	ug/l	98
25) 2-Butanone	6.99	43	9317	15.303	ug/l	97
26) 2,2-Dichloropropane	6.98	77	6455	3.022	ug/l	100
27) cis-1,2-Dichloroethene	6.98	96	5812	3.410	ug/l	98
28) Bromochloromethane	7.33	49	3674	3.192	ug/l #	98
29) Tetrahydrofuran	7.37	42	5608	14.744	ug/l #	82
30) Chloroform	7.51	83	9544	3.775	ug/l	94
31) Cyclohexane	7.78	56	10815	5.004	ug/l #	78
32) 1,1,1-Trichloroethane	7.70	97	7274	3.486	ug/l	97
36) 1,1-Dichloropropene	7.93	75	6492	3.350	ug/l	99
37) Ethyl Acetate	7.08	43	4541	3.426	ug/l #	71
38) Carbon Tetrachloride	7.90	117	5614	3.018	ug/l #	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.18	83	8134	3.405	ug/l	100
40) Benzene	8.16	78	19914	3.196	ug/l	96
41) Methacrylonitrile	7.32	41	1854	2.334	ug/l #	83
42) 1,2-Dichloroethane	8.24	62	5406	3.327	ug/l	97
43) Isopropyl Acetate	8.27	43	7513	3.084	ug/l	96
44) Trichloroethene	8.94	130	5912	3.688	ug/l	88
45) 1,2-Dichloropropane	9.21	63	5041	3.152	ug/l #	87
46) Dibromomethane	9.30	93	2830	3.270	ug/l	98
47) Bromodichloromethane	9.49	83	6491	3.131	ug/l #	95
48) Methyl methacrylate	9.29	41	3402	3.161	ug/l	90
49) 1,4-Dioxane	9.30	88	1035	60.836	ug/l #	74
51) 4-Methyl-2-Pentanone	10.07	43	21230	15.832	ug/l	95
52) Toluene	10.24	92	12014	3.062	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	6538	3.002	ug/l	92
54) cis-1,3-Dichloropropene	9.93	75	7514	2.956	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	4282	3.192	ug/l	96
56) Ethyl methacrylate	10.51	69	5921	3.066	ug/l	89
57) 1,3-Dichloropropane	10.79	76	6610	2.986	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.78	63	16790	16.852	ug/l	95
59) 2-Hexanone	10.83	43	13958	14.619	ug/l	97
60) Dibromochloromethane	10.98	129	4328	3.027	ug/l	100
61) 1,2-Dibromoethane	11.09	107	3988	3.232	ug/l	97
64) Tetrachloroethene	10.71	164	4398	3.177	ug/l	89
65) Chlorobenzene	11.51	112	12666	3.026	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.59	131	4199	2.965	ug/l	97
67) Ethyl Benzene	11.58	91	23490	3.071	ug/l	93
68) m/p-Xylenes	11.70	106	17988	6.192	ug/l	93
69) o-Xylene	12.02	106	8351	2.989	ug/l	92
70) Styrene	12.04	104	15385	3.163	ug/l	96
71) Bromoform	12.20	173	2645	3.083	ug/l #	98
73) Isopropylbenzene	12.32	105	23355	3.238	ug/l	98
74) N-amyl acetate	12.14	43	5858	2.926	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.57	83	5640	3.394	ug/l	95
76) 1,2,3-Trichloropropane	12.63	75	3625m	3.220	ug/l	
77) Bromobenzene	12.60	156	5230	3.402	ug/l	92
78) n-propylbenzene	12.66	91	26672	3.055	ug/l	98
79) 2-Chlorotoluene	12.75	91	15875	3.278	ug/l	95
80) 1,3,5-Trimethylbenzene	12.80	105	18177	3.048	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.37	75	1920	2.952	ug/l	90
82) 4-Chlorotoluene	12.85	91	16136	3.190	ug/l	98
83) tert-Butylbenzene	13.07	119	15170	2.990	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	17669	3.029	ug/l	97
85) sec-Butylbenzene	13.25	105	22784	3.012	ug/l	99
86) p-Isopropyltoluene	13.37	119	18106	2.846	ug/l	97
87) 1,3-Dichlorobenzene	13.36	146	9244	3.117	ug/l	96
88) 1,4-Dichlorobenzene	13.44	146	9543	3.191	ug/l	90
89) n-Butylbenzene	13.69	91	19066	2.999	ug/l	95
90) Hexachloroethane	13.95	117	3951	3.070	ug/l	89
91) 1,2-Dichlorobenzene	13.73	146	8612	3.083	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1148	3.710	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	4938	2.899	ug/l	98
94) Hexachlorobutadiene	15.10	225	2437	2.955	ug/l	86
95) Naphthalene	15.23	128	14556	3.126	ug/l	99
96) 1,2,3-Trichlorobenzene	15.41	180	4515	2.956	ug/l	86

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

