

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083019\
 Data File : VX011905.D
 Acq On : 30 Aug 2019 13:12
 Operator : SY/SP
 Sample : MDL02 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL

Quant Time: Aug 31 12:10:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 11:44:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	366130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	499039	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	461672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	267848	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	177127	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
35) Dibromofluoromethane	5.48	113	163326	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
50) Toluene-d8	8.71	98	605791	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
62) 4-Bromofluorobenzene	11.14	95	247313	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	7469	3.380	ug/l	96
3) Chloromethane	1.31	50	7268	2.837	ug/l	97
4) Vinyl Chloride	1.39	62	7266	2.970	ug/l	100
5) Bromomethane	1.63	94	6179	3.651	ug/l	95
6) Chloroethane	1.72	64	4600	3.022	ug/l	99
7) Trichlorofluoromethane	1.92	101	13238	3.116	ug/l	86
8) Diethyl Ether	2.17	74	4598	3.149	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	2.37	101	8937	3.228	ug/l	96
10) Methyl Iodide	2.50	142	3392	1.316	ug/l	97
11) Tert butyl alcohol	3.03	59	5877	17.414	ug/l #	91
12) 1,1-Dichloroethene	2.36	96	7601	2.956	ug/l	89
13) Acrolein	2.28	56	2163	12.877	ug/l #	26
14) Allyl chloride	2.72	41	13170	2.730	ug/l	99
15) Acrylonitrile	3.13	53	11515	14.359	ug/l	97
16) Acetone	2.43	43	12880	17.065	ug/l	95
17) Carbon Disulfide	2.56	76	20470	2.775	ug/l	99
18) Methyl Acetate	2.76	43	6394	3.060	ug/l	91
19) Methyl tert-butyl Ether	3.18	73	23735	2.849	ug/l	98
20) Methylene Chloride	2.84	84	15577	4.158	ug/l	97
21) trans-1,2-Dichloroethene	3.15	96	8777	2.898	ug/l	95
22) Diisopropyl ether	3.84	45	27242	2.766	ug/l #	84
23) Vinyl Acetate	3.80	43	84379	13.327	ug/l	98
24) 1,1-Dichloroethane	3.69	63	15327	2.822	ug/l	99
25) 2-Butanone	4.67	43	15296	13.915	ug/l	97
26) 2,2-Dichloropropane	4.57	77	13434	2.950	ug/l	94
27) cis-1,2-Dichloroethene	4.58	96	10634	2.980	ug/l	98
28) Bromochloromethane	5.01	49	7705	3.162	ug/l	98
29) Tetrahydrofuran	5.12	42	9606	14.000	ug/l	98
30) Chloroform	5.20	83	18367	3.163	ug/l	100
31) Cyclohexane	5.57	56	12874	2.939	ug/l	90
32) 1,1,1-Trichloroethane	5.48	97	14964	2.901	ug/l	99
36) 1,1-Dichloropropene	5.79	75	12010	3.038	ug/l	98
37) Ethyl Acetate	4.83	43	6213	2.655	ug/l #	86
38) Carbon Tetrachloride	5.77	117	13872	3.025	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.45	83	14614	3.103	ug/l	94
40) Benzene	6.13	78	34534	2.926	ug/l	100
41) Methacrylonitrile	5.03	41	4400	3.193	ug/l	92
42) 1,2-Dichloroethane	6.18	62	12234	3.048	ug/l	90
43) Isopropyl Acetate	6.43	43	13731	2.894	ug/l	94
44) Trichloroethene	7.21	130	10757	2.946	ug/l	93
45) 1,2-Dichloropropane	7.51	63	8802	2.851	ug/l #	84
46) Dibromomethane	7.65	93	5534	3.021	ug/l	93
47) Bromodichloromethane	7.89	83	12604	2.774	ug/l	96
48) Methyl methacrylate	7.77	41	6538	2.832	ug/l	99
49) 1,4-Dioxane	7.74	88	2178	68.605	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	34024	14.115	ug/l	100
52) Toluene	8.78	92	22759	2.915	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	12885	2.769	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	14293	2.736	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	8075	3.011	ug/l	97
56) Ethyl methacrylate	9.17	69	10474	2.814	ug/l	98
57) 1,3-Dichloropropane	9.37	76	13003	2.921	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	22844	12.885	ug/l	97
59) 2-Hexanone	9.49	43	24680	14.414	ug/l	98
60) Dibromochloromethane	9.58	129	9674	2.686	ug/l	99
61) 1,2-Dibromoethane	9.67	107	7809	2.937	ug/l	99
64) Tetrachloroethene	9.33	164	12007	3.233	ug/l	97
65) Chlorobenzene	10.14	112	26117	2.919	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.21	131	10278	2.841	ug/l	98
67) Ethyl Benzene	10.25	91	45092	2.963	ug/l	99
68) m/p-Xylenes	10.35	106	35284	6.005	ug/l	94
69) o-Xylene	10.70	106	16629	2.904	ug/l	99
70) Styrene	10.71	104	29302	2.903	ug/l	99
71) Bromoform	10.85	173	7217	2.821	ug/l #	98
73) Isopropylbenzene	11.01	105	45361	2.947	ug/l	99
74) N-amyl acetate	10.89	43	12419	2.719	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.26	83	9421	2.991	ug/l	97
76) 1,2,3-Trichloropropane	11.29	75	7821m	2.968	ug/l	
77) Bromobenzene	11.25	156	13507	3.026	ug/l	97
78) n-propylbenzene	11.35	91	51059	2.926	ug/l	100
79) 2-Chlorotoluene	11.42	91	30493	2.903	ug/l	96
80) 1,3,5-Trimethylbenzene	11.50	105	38934	2.931	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	3093m	2.949	ug/l	
82) 4-Chlorotoluene	11.51	91	37635	2.970	ug/l	99
83) tert-Butylbenzene	11.77	119	39649	2.942	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	39149	2.876	ug/l	98
85) sec-Butylbenzene	11.94	105	46158	2.948	ug/l	99
86) p-Isopropyltoluene	12.06	119	44121	2.906	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	24544	2.959	ug/l	98
88) 1,4-Dichlorobenzene	12.09	146	25014	2.983	ug/l	91
89) n-Butylbenzene	12.38	91	38311	2.852	ug/l	99
90) Hexachloroethane	12.59	117	8600	2.928	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	22846	2.962	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1970	3.140	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	19665	3.028	ug/l	98
94) Hexachlorobutadiene	13.78	225	12483	2.878	ug/l	97
95) Naphthalene	13.83	128	31463	2.823	ug/l	99
96) 1,2,3-Trichlorobenzene	14.01	180	17241	2.936	ug/l	98

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

