

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082819\
 Data File : VX011878.D
 Acq On : 28 Aug 2019 19:47
 Operator : SY/SP
 Sample : MDL01 2.5 PPB
 Misc : 5.00g/5.0mL/MSVOA X/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL01 2.5 PPB

Quant Time: Aug 29 12:12:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 11:49:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	323374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	468038	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	436464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	237093	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	152711	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	
35) Dibromofluoromethane	5.49	113	135790	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
50) Toluene-d8	8.71	98	535872	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.13	95	208554	49.38	ug/l	0.00
Spiked Amount			Recovery	=	98.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	5438	2.712	ug/l	96
3) Chloromethane	1.32	50	9652	3.797	ug/l	100
4) Vinyl Chloride	1.40	62	6378	2.750	ug/l	99
5) Bromomethane	1.64	94	4779	3.514	ug/l	98
6) Chloroethane	1.72	64	3830	2.579	ug/l	99
7) Trichlorofluoromethane	1.93	101	9497	2.491	ug/l	99
8) Diethyl Ether	2.18	74	3621	3.115	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	6415	2.618	ug/l	96
11) Tert butyl alcohol	3.03	59	6031	28.739	ug/l #	90
12) 1,1-Dichloroethene	2.37	96	6235	2.572	ug/l	97
13) Acrolein	2.28	56	2650	24.495	ug/l #	52
14) Allyl chloride	2.72	41	10381	2.536	ug/l	95
15) Acrylonitrile	3.14	53	8875	14.364	ug/l	99
16) Acetone	2.43	43	43609	44.662	ug/l	97
17) Carbon Disulfide	2.56	76	18065	2.468	ug/l	99
18) Methyl Acetate	2.76	43	13460	6.283	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	19409	2.946	ug/l #	89
20) Methylene Chloride	2.85	84	15609	5.202	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	7501	2.736	ug/l	94
22) Diisopropyl ether	3.84	45	22899	2.817	ug/l #	85
23) Vinyl Acetate	3.81	43	37221	10.403	ug/l	95
24) 1,1-Dichloroethane	3.69	63	13025	2.717	ug/l	98
25) 2-Butanone	4.67	43	12898	15.342	ug/l	91
26) 2,2-Dichloropropane	4.58	77	8178	2.092	ug/l	78
27) cis-1,2-Dichloroethene	4.59	96	8476	2.710	ug/l	95
28) Bromochloromethane	5.00	49	5951	2.765	ug/l #	10
29) Tetrahydrofuran	5.13	42	7797	15.672	ug/l	95
30) Chloroform	5.20	83	15359	3.062	ug/l	100
31) Cyclohexane	5.57	56	10320	2.472	ug/l	90
32) 1,1,1-Trichloroethane	5.49	97	11019	2.443	ug/l	97
36) 1,1-Dichloropropene	5.79	75	9775	2.539	ug/l	97
37) Ethyl Acetate	4.82	43	4331	2.675	ug/l #	75
38) Carbon Tetrachloride	5.77	117	8471	2.258	ug/l	92
39) Methylcyclohexane	7.46	83	11748	2.497	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.13	78	28641	2.579	ug/l	100
41) Methacrylonitrile	5.04	41	3166	2.883	ug/l #	74
42) 1,2-Dichloroethane	6.19	62	9748	2.765	ug/l	86
43) Isopropyl Acetate	6.45	43	8155	2.564	ug/l	96
44) Trichloroethene	7.21	130	10107	2.707	ug/l	94
45) 1,2-Dichloropropane	7.51	63	7218	2.612	ug/l	93
46) Dibromomethane	7.66	93	4387	2.680	ug/l	94
47) Bromodichloromethane	7.89	83	8861	2.302	ug/l #	97
48) Methyl methacrylate	7.77	41	4167	2.620	ug/l	99
49) 1,4-Dioxane	7.74	88	1917	111.854	ug/l #	80
51) 4-Methyl-2-Pentanone	8.63	43	35036	27.347	ug/l	100
52) Toluene	8.78	92	18883	2.639	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	6967	2.124	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	9522	2.300	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	6124	2.871	ug/l	93
56) Ethyl methacrylate	9.18	69	5175	2.488	ug/l	88
57) 1,3-Dichloropropane	9.37	76	9163	2.584	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.31	63	6625	10.687	ug/l	97
59) 2-Hexanone	9.49	43	26371	32.210	ug/l	100
60) Dibromochloromethane	9.58	129	7070	2.490	ug/l	100
61) 1,2-Dibromoethane	9.67	107	5246	2.511	ug/l	100
64) Tetrachloroethene	9.33	164	11486	2.704	ug/l	98
65) Chlorobenzene	10.13	112	21284	2.633	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	6749	2.276	ug/l #	65
67) Ethyl Benzene	10.25	91	37459	2.698	ug/l	97
68) m/p-Xylenes	10.35	106	29254	5.535	ug/l	99
69) o-Xylene	10.69	106	14479	2.911	ug/l	99
70) Stvrene	10.71	104	20941	2.546	ug/l	98
71) Bromoform	10.85	173	4476	2.329	ug/l #	98
73) Isopropylbenzene	11.01	105	44921	3.281	ug/l	100
74) N-amyl acetate	6.45	43	8155	2.365	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	11.26	83	6228	2.719	ug/l	94
76) 1,2,3-Trichloropropane	11.29	75	4596m	2.610	ug/l	
77) Bromobenzene	11.25	156	10730	2.811	ug/l	97
78) n-propylbenzene	11.35	91	54146	3.595	ug/l	99
79) 2-Chlorotoluene	11.41	91	28135	2.981	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	38652	3.365	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	1160m	2.345	ug/l	
82) 4-Chlorotoluene	11.51	91	34418	3.146	ug/l	99
83) tert-Butylbenzene	11.77	119	39433	3.694	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	42135	3.867	ug/l	99
85) sec-Butylbenzene	11.94	105	53354	4.302	ug/l	99
86) p-Isopropyltoluene	12.06	119	52556	4.601	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	22589	3.296	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	23386	3.523	ug/l	90
89) n-Butylbenzene	12.38	91	50118	5.289	ug/l	99
90) Hexachloroethane	12.59	117	3480	1.899	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	22380	3.825	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	1028	3.187	ug/l	85
93) 1,2,4-Trichlorobenzene	13.64	180	23449	5.775	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	15107	5.102	ug/l	99
95) Naphthalene	13.83	128	35089	7.187	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	21855	6.633	ug/l	98

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

