

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070919\
 Data File : VW011174.D
 Acq On : 09 Jul 2019 12:59
 Operator : SY/VA
 Sample : K3591-03MDL2.5PPB
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-MDL-SOIL-03-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/10/2019 10:47:49 AM

Quant Time: Jul 10 06:48:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 10 06:41:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	233563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	383411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	335415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	144651	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	7.88	113	111585	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
50) Toluene-d8	10.32	98	454916	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.62	95	165973	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	4035	2.316	ug/l	93
3) Chloromethane	2.21	50	6251	2.785	ug/l	99
4) Vinyl Chloride	2.35	62	7165	2.439	ug/l	99
5) Bromomethane	2.76	94	4272	2.894	ug/l	86
6) Chloroethane	2.91	64	3908	2.470	ug/l #	80
7) Trichlorofluoromethane	3.25	101	2228	2.135	ug/l #	81
8) Diethyl Ether	3.67	74	3809	2.638	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.07	101	6410	2.564	ug/l	96
10) Methyl Iodide	4.27	142	8219	2.390	ug/l	100
11) Tert butyl alcohol	5.16	59	3063	14.097	ug/l	95
12) 1,1-Dichloroethene	4.04	96	6287	2.423	ug/l	98
13) Acrolein	3.89	56	2447	14.143	ug/l	99
14) Allyl chloride	4.67	41	10827	2.288	ug/l	93
15) Acrylonitrile	5.37	53	8768	11.922	ug/l	94
16) Acetone	4.12	43	11421	16.174	ug/l	96
17) Carbon Disulfide	4.38	76	17922	2.278	ug/l #	95
18) Methyl Acetate	4.68	43	7909	3.581	ug/l #	75
19) Methyl tert-butyl Ether	5.43	73	10083	2.561	ug/l	97
20) Methylene Chloride	4.92	84	13393	4.808	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	6816	2.528	ug/l	82
22) Diisopropyl ether	6.31	45	24315	2.389	ug/l	92
23) Vinyl Acetate	6.26	43	61405	9.750	ug/l	98
24) 1,1-Dichloroethane	6.21	63	13141	2.459	ug/l #	96
25) 2-Butanone	7.17	43	13945	12.580	ug/l	93
26) 2,2-Dichloropropane	7.17	77	6777	2.440	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	7099	2.441	ug/l	98
28) Bromochloromethane	7.51	49	6759	2.782	ug/l	98
29) Tetrahydrofuran	7.53	42	9065	12.472	ug/l	98
30) Chloroform	7.67	83	13576	2.743	ug/l	89
31) Cyclohexane	7.95	56	18939	3.331	ug/l #	67
32) 1,1,1-Trichloroethane	7.87	97	9128	2.425	ug/l	95
36) 1,1-Dichloropropene	8.08	75	10300	2.523	ug/l	99
37) Ethyl Acetate	7.26	43	5784	2.358	ug/l #	95
38) Carbon Tetrachloride	8.07	117	8380	2.421	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	13003	2.628	ug/l	92
40) Benzene	8.32	78	29114	2.580	ug/l	99
41) Methacrylonitrile	7.49	41	3536	2.520	ug/l	96
42) 1,2-Dichloroethane	8.40	62	9839	2.688	ug/l	99
43) Isopropyl Acetate	8.42	43	11248	2.429	ug/l	96
44) Trichloroethene	9.09	130	6782	2.498	ug/l	92
45) 1,2-Dichloropropane	9.37	63	7812	2.557	ug/l	92
46) Dibromomethane	9.46	93	3634	2.532	ug/l	97
47) Bromodichloromethane	9.64	83	8209	2.235	ug/l	98
48) Methyl methacrylate	9.44	41	4543	2.039	ug/l	88
49) 1,4-Dioxane	9.45	88	1251	52.215	ug/l	89
51) 4-Methyl-2-Pentanone	10.21	43	29144	12.046	ug/l	97
52) Toluene	10.38	92	17014	2.486	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	8593	2.198	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	10101	2.195	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	5226	2.566	ug/l	98
56) Ethyl methacrylate	10.65	69	7031	2.268	ug/l	97
57) 1,3-Dichloropropane	10.93	76	9435	2.450	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	17695	12.312	ug/l	98
59) 2-Hexanone	10.97	43	19716	11.751	ug/l	98
60) Dibromochloromethane	11.12	129	5162	2.312	ug/l	95
61) 1,2-Dibromoethane	11.24	107	4689	2.431	ug/l	95
64) Tetrachloroethene	10.86	164	6232	2.753	ug/l	97
65) Chlorobenzene	11.66	112	17599	2.581	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	5727	2.385	ug/l	97
67) Ethyl Benzene	11.73	91	32189	2.466	ug/l	98
68) m/p-Xylenes	11.84	106	22740	4.814	ug/l	98
69) o-Xylene	12.16	106	10933	2.456	ug/l	97
70) Styrene	12.18	104	17121	2.228	ug/l	96
71) Bromoform	12.35	173	2702	2.117	ug/l #	99
73) Isopropylbenzene	12.46	105	29684	2.413	ug/l	99
74) N-amyl acetate	12.27	43	9022	2.106	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	6377	2.529	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	4370m	2.298	ug/l	
77) Bromobenzene	12.74	156	7135	2.584	ug/l	97
78) n-propylbenzene	12.80	91	38151	2.517	ug/l	98
79) 2-Chlorotoluene	12.90	91	22048	2.528	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	25515	2.441	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	1546m	1.839	ug/l	
82) 4-Chlorotoluene	12.99	91	23427	2.579	ug/l	99
83) tert-Butylbenzene	13.21	119	20965	2.405	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	25706	2.449	ug/l	97
85) sec-Butylbenzene	13.38	105	31125	2.475	ug/l	100
86) p-Isopropyltoluene	13.50	119	27092	2.401	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	13972	2.630	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	14420	2.696	ug/l	88
89) n-Butylbenzene	13.83	91	27992	2.487	ug/l	99
90) Hexachloroethane	14.10	117	4891	2.373	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	12556	2.605	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1097	2.452	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	8524	2.568	ug/l	99
94) Hexachlorobutadiene	15.24	225	5592	2.744	ug/l	99
95) Naphthalene	15.37	128	14266	2.243	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	7830	2.673	ug/l	98

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

