

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010019.D
 Acq On : 17 Apr 2019 16:40
 Operator : SY/VA
 Sample : K2241-01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:40:33 AM

Quant Time: Apr 18 02:52:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	364903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	613572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	535947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	258063	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	231473	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
35) Dibromofluoromethane	7.88	113	188812	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	10.32	98	723092	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.62	95	245140	46.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	5248	1.886	ug/l	73
3) Chloromethane	2.21	50	5016	1.803	ug/l #	83
4) Vinyl Chloride	2.37	62	4830	1.493	ug/l	97
5) Bromomethane	2.78	94	4431	2.039	ug/l	93
6) Chloroethane	2.92	64	3827	1.811	ug/l	97
7) Trichlorofluoromethane	3.24	101	3889	1.739	ug/l	85
8) Diethyl Ether	3.67	74	4746	2.551	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.04	101	7690	2.044	ug/l	96
10) Methyl Iodide	4.26	142	9391	1.806	ug/l	96
11) Tert butyl alcohol	5.20	59	3199m	12.472	ug/l	
12) 1,1-Dichloroethene	4.03	96	7404	2.052	ug/l #	77
13) Acrolein	3.89	56	3686	13.660	ug/l	95
14) Allyl chloride	4.65	41	11308	1.763	ug/l #	80
15) Acrylonitrile	5.36	53	8676	9.063	ug/l	96
16) Acetone	4.13	43	16179	15.485	ug/l	100
17) Carbon Disulfide	4.37	76	11569	2.375	ug/l	96
18) Methyl Acetate	4.67	43	7721	3.193	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	8689	1.854	ug/l	91
20) Methylene Chloride	4.91	84	26203	2.348	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	7335	1.878	ug/l #	76
22) Diisopropyl ether	6.31	45	21719	1.670	ug/l	88
23) Vinyl Acetate	6.25	43	60517	7.390	ug/l	98
24) 1,1-Dichloroethane	6.20	63	15947	2.051	ug/l #	96
25) 2-Butanone	7.18	43	12167	8.865	ug/l	98
26) 2,2-Dichloropropane	7.16	77	9203	2.139	ug/l	95
27) cis-1,2-Dichloroethene	7.17	96	8026	1.868	ug/l	96
28) Bromochloromethane	7.50	49	6712	2.112	ug/l	100
29) Tetrahydrofuran	7.54	42	7627	8.770	ug/l	95
30) Chloroform	7.67	83	15534	1.993	ug/l	89
31) Cyclohexane	7.95	56	20742	2.848	ug/l #	60
32) 1,1,1-Trichloroethane	7.87	97	12682	2.073	ug/l	95
36) 1,1-Dichloropropene	8.08	75	11736	1.873	ug/l	96
37) Ethyl Acetate	7.25	43	6692	2.101	ug/l #	93
38) Carbon Tetrachloride	8.06	117	12023	1.966	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	11701	2.695	ug/l	94
40) Benzene	8.32	78	31336	1.829	ug/l	97
41) Methacrylonitrile	7.52	41	4902m	2.701	ug/l	
42) 1,2-Dichloroethane	8.40	62	11691	1.985	ug/l	97
43) Isopropyl Acetate	8.42	43	10816	1.812	ug/l	98
44) Trichloroethene	9.09	130	8433	1.937	ug/l	95
45) 1,2-Dichloropropane	9.37	63	8574	1.903	ug/l	94
46) Dibromomethane	9.46	93	4368	1.871	ug/l	97
47) Bromodichloromethane	9.65	83	10991	1.824	ug/l	93
48) Methyl methacrylate	9.43	41	4103	1.412	ug/l	90
49) 1,4-Dioxane	9.46	88	1315	36.862	ug/l	89
51) 4-Methyl-2-Pentanone	10.21	43	25512	8.162	ug/l	95
52) Toluene	10.39	92	19993	1.873	ug/l	94
53) t-1,3-Dichloropropene	10.60	75	10177	1.703	ug/l	92
54) cis-1,3-Dichloropropene	10.07	75	11258	1.650	ug/l #	95
55) 1,1,2-Trichloroethane	10.79	97	6091	1.869	ug/l #	86
56) Ethyl methacrylate	10.65	69	6322	3.965	ug/l	91
57) 1,3-Dichloropropane	10.93	76	10520	1.801	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.92	63	15281	7.848	ug/l	96
59) 2-Hexanone	10.97	43	17065	7.843	ug/l	95
60) Dibromochloromethane	11.13	129	6116	1.624	ug/l	91
61) 1,2-Dibromoethane	11.24	107	5447	1.757	ug/l	97
64) Tetrachloroethene	10.87	164	7394	2.125	ug/l #	73
65) Chlorobenzene	11.66	112	22513	2.052	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	7786	1.985	ug/l #	66
67) Ethyl Benzene	11.73	91	36464	1.863	ug/l	95
68) m/p-Xylenes	11.84	106	25803	3.527	ug/l	98
69) o-Xylene	12.16	106	11798	1.771	ug/l	94
70) Styrene	12.18	104	17722	1.543	ug/l	95
71) Bromoform	12.35	173	3939	1.899	ug/l #	100
73) Isopropylbenzene	12.46	105	31443	1.751	ug/l	98
74) N-amyl acetate	12.27	43	8172	1.643	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	6997	1.972	ug/l	90
76) 1,2,3-Trichloropropane	12.77	75	5846	2.263	ug/l #	100
77) Bromobenzene	12.75	156	8469	2.050	ug/l	96
78) n-propylbenzene	12.80	91	44273	1.989	ug/l	99
79) 2-Chlorotoluene	12.90	91	26263	2.051	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	27247	1.789	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	1826m	1.667	ug/l	
82) 4-Chlorotoluene	12.99	91	28013	2.079	ug/l	100
83) tert-Butylbenzene	13.21	119	22441	1.779	ug/l	92
84) 1,2,4-Trimethylbenzene	13.25	105	27109	1.756	ug/l	98
85) sec-Butylbenzene	13.38	105	33988	1.803	ug/l	98
86) p-Isopropyltoluene	13.50	119	29020	1.747	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	17716	2.122	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	19684	2.362	ug/l	83
89) n-Butylbenzene	13.83	91	32710	1.988	ug/l	98
90) Hexachloroethane	14.09	117	6807	2.140	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	16607	2.218	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1332	2.098	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	10348	2.095	ug/l	98
94) Hexachlorobutadiene	15.24	225	6658	2.220	ug/l	98
95) Naphthalene	15.37	128	15090	4.097	ug/l	97
96) 1,2,3-Trichlorobenzene	15.56	180	9092	2.122	ug/l	97

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

