

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041819\
 Data File : VW010040.D
 Acq On : 18 Apr 2019 12:55
 Operator : SY/VA
 Sample : K2241-03
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-MDL-SOIL-03-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 4/19/2019 12:52:49 PM

Quant Time: Apr 18 15:51:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 15:47:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	388874	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	646568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	574392	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	282151	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	238305	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	7.88	113	193879	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
50) Toluene-d8	10.32	98	763154	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.62	95	260945	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	6250	2.108	ug/l	90
3) Chloromethane	2.21	50	6339	2.138	ug/l	96
4) Vinyl Chloride	2.36	62	7374	2.139	ug/l	91
5) Bromomethane	2.78	94	5164	2.229	ug/l	95
6) Chloroethane	2.92	64	5326	2.365	ug/l	91
7) Trichlorofluoromethane	3.24	101	5011	2.103	ug/l	96
8) Diethyl Ether	3.67	74	6090	3.072	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.05	101	10483	2.614	ug/l #	88
10) Methyl Iodide	4.26	142	12283	2.217	ug/l #	92
11) Tert butyl alcohol	5.17	59	4607	16.854	ug/l #	84
12) 1,1-Dichloroethene	4.02	96	9782	2.545	ug/l	95
13) Acrolein	3.88	56	3734	12.984	ug/l #	79
14) Allyl chloride	4.66	41	17283	2.529	ug/l	98
15) Acrylonitrile	5.37	53	12714	12.463	ug/l	99
16) Acetone	4.12	43	21818	19.595	ug/l	96
17) Carbon Disulfide	4.37	76	17347	1.645	ug/l	95
18) Methyl Acetate	4.67	43	10064	3.905	ug/l #	90
19) Methyl tert-butyl Ether	5.42	73	12604	2.524	ug/l	100
20) Methylene Chloride	4.92	84	32155	6.277	ug/l	93
21) trans-1,2-Dichloroethene	5.41	96	9789	2.351	ug/l	94
22) Diisopropyl ether	6.31	45	31457	2.269	ug/l	89
23) Vinyl Acetate	6.25	43	86403	9.900	ug/l	98
24) 1,1-Dichloroethane	6.21	63	22634	2.731	ug/l	96
25) 2-Butanone	7.18	43	17266	11.805	ug/l #	84
26) 2,2-Dichloropropane	7.17	77	12358	2.695	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	11833	2.585	ug/l	97
28) Bromochloromethane	7.51	49	8207	2.423	ug/l	97
29) Tetrahydrofuran	7.52	42	10471	11.298	ug/l	96
30) Chloroform	7.67	83	22900	2.758	ug/l	94
31) Cyclohexane	7.95	56	25370	3.269	ug/l #	60
32) 1,1,1-Trichloroethane	7.87	97	17550	2.692	ug/l	97
36) 1,1-Dichloropropene	8.07	75	15452	2.340	ug/l	96
37) Ethyl Acetate	7.25	43	8116	2.418	ug/l	97
38) Carbon Tetrachloride	8.06	117	17027	2.642	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	17114	2.303	ug/l	95
40) Benzene	8.32	78	46268	2.562	ug/l	98
41) Methacrylonitrile	7.48	41	5121	2.677	ug/l	92
42) 1,2-Dichloroethane	8.40	62	16501	2.659	ug/l	99
43) Isopropyl Acetate	8.42	43	14542	2.312	ug/l #	61
44) Trichloroethene	9.09	130	11786	2.570	ug/l	76
45) 1,2-Dichloropropane	9.37	63	12210	2.572	ug/l	95
46) Dibromomethane	9.46	93	6101	2.480	ug/l	98
47) Bromodichloromethane	9.64	83	16823	2.649	ug/l	94
48) Methyl methacrylate	9.43	41	6792	2.219	ug/l	88
49) 1,4-Dioxane	9.45	88	2191	58.284	ug/l #	86
51) 4-Methyl-2-Pentanone	10.21	43	40575	12.318	ug/l	93
52) Toluene	10.39	92	30192	2.684	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	14934	2.372	ug/l	93
54) cis-1,3-Dichloropropene	10.07	75	17132	2.383	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	8840	2.574	ug/l	94
56) Ethyl methacrylate	10.65	69	8795	2.060	ug/l	99
57) 1,3-Dichloropropane	10.93	76	15250	2.478	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.92	63	25590	13.017	ug/l	97
59) 2-Hexanone	10.97	43	25492	11.118	ug/l	94
60) Dibromochloromethane	11.13	129	9684	2.440	ug/l	100
61) 1,2-Dibromoethane	11.23	107	7875	2.411	ug/l	100
64) Tetrachloroethene	10.86	164	9909	2.657	ug/l	90
65) Chlorobenzene	11.66	112	32860	2.795	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	11492	2.733	ug/l	94
67) Ethyl Benzene	11.73	91	52617	2.509	ug/l	98
68) m/p-Xylenes	11.84	106	37255	4.752	ug/l	96
69) o-Xylene	12.17	106	16926	2.371	ug/l	98
70) Styrene	12.18	104	26343	2.140	ug/l	96
71) Bromoform	12.35	173	5585	2.512	ug/l #	98
73) Isopropylbenzene	12.46	105	46726	2.379	ug/l	98
74) N-amyl acetate	12.27	43	11470	2.109	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	10719	2.763	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	7612m	2.696	ug/l	
77) Bromobenzene	12.75	156	12271	2.717	ug/l	99
78) n-propylbenzene	12.80	91	64129	2.635	ug/l	100
79) 2-Chlorotoluene	12.90	91	36443	2.604	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	41225	2.476	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.52	75	2543m	2.123	ug/l	
82) 4-Chlorotoluene	12.99	91	38019	2.581	ug/l	100
83) tert-Butylbenzene	13.21	119	33733	2.447	ug/l	96
84) 1,2,4-Trimethylbenzene	13.25	105	41156	2.438	ug/l	99
85) sec-Butylbenzene	13.38	105	51802	2.514	ug/l	99
86) p-Isopropyltoluene	13.50	119	43442	2.392	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	25186	2.759	ug/l	96
88) 1,4-Dichlorobenzene	13.58	146	25792	2.830	ug/l	82
89) n-Butylbenzene	13.83	91	46061	2.560	ug/l	96
90) Hexachloroethane	14.10	117	9796	2.816	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	23446	2.864	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2081	2.997	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	13478	2.496	ug/l	95
94) Hexachlorobutadiene	15.24	225	9039	2.756	ug/l	98
95) Naphthalene	15.37	128	20946	2.160	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	12095	2.581	ug/l	98

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

