

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011166.D
 Acq On : 08 Jul 2019 17:40
 Operator : SY/VA
 Sample : K3591-01LOD4PPB
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 4:13:24 PM

Quant Time: Jul 09 07:18:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 07:10:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	233971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	396673	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	354154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	173983	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	134154	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	
35) Dibromofluoromethane	7.88	113	103157	43.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.26%	
50) Toluene-d8	10.32	98	414779	43.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.80%	
62) 4-Bromofluorobenzene	12.62	95	152701	43.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	6066	3.476	ug/l	95
3) Chloromethane	2.20	50	9553	4.249	ug/l	91
4) Vinyl Chloride	2.36	62	11594	3.940	ug/l	97
5) Bromomethane	2.77	94	6291	4.254	ug/l	100
6) Chloroethane	2.92	64	6113	3.856	ug/l	99
7) Trichlorofluoromethane	3.24	101	3175	3.037	ug/l #	80
8) Diethyl Ether	3.68	74	5816	4.021	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	10323	4.122	ug/l	97
10) Methyl Iodide	4.27	142	12884	3.741	ug/l	97
11) Tert butyl alcohol	5.17	59	4761	21.873	ug/l	98
12) 1,1-Dichloroethene	4.03	96	10237	3.939	ug/l	82
13) Acrolein	3.89	56	3519	20.303	ug/l	90
14) Allyl chloride	4.65	41	16566	3.495	ug/l	99
15) Acrylonitrile	5.37	53	14365	19.498	ug/l	98
16) Acetone	4.12	43	14382	20.331	ug/l	98
17) Carbon Disulfide	4.38	76	27627	3.506	ug/l	97
18) Methyl Acetate	4.67	43	12595	5.693	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	16503	4.185	ug/l	97
20) Methylene Chloride	4.92	84	14527	5.206	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	10843	4.015	ug/l	92
22) Diisopropyl ether	6.31	45	39877	3.912	ug/l	93
23) Vinyl Acetate	6.25	43	101902	16.152	ug/l	100
24) 1,1-Dichloroethane	6.21	63	21297	3.978	ug/l	100
25) 2-Butanone	7.17	43	21896	19.719	ug/l	95
26) 2,2-Dichloropropane	7.17	77	10375	3.728	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	11556	3.967	ug/l	99
28) Bromochloromethane	7.51	49	11073	4.549	ug/l	98
29) Tetrahydrofuran	7.53	42	15018	20.626	ug/l	98
30) Chloroform	7.67	83	20735	4.183	ug/l	96
31) Cyclohexane	7.95	56	26927	4.728	ug/l #	77
32) 1,1,1-Trichloroethane	7.87	97	14361	3.808	ug/l	97
36) 1,1-Dichloropropene	8.07	75	16566	3.922	ug/l	99
37) Ethyl Acetate	7.25	43	9970	3.928	ug/l	96
38) Carbon Tetrachloride	8.06	117	12965	3.621	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
 Data File : VW011166.D
 Acq On : 08 Jul 2019 17:40
 Operator : SY/VA
 Sample : K3591-01LOD4PPB
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2019

Manual Integrations
 APPROVED

MMDadoda
 7/9/2019 4:13:24 PM

Quant Time: Jul 09 07:18:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 07:10:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	19509	3.810	ug/l	96
40) Benzene	8.32	78	46594	3.991	ug/l	100
41) Methacrylonitrile	7.48	41	6736	4.640	ug/l	88
42) 1,2-Dichloroethane	8.40	62	15466	4.084	ug/l	100
43) Isopropyl Acetate	8.42	43	18539	3.869	ug/l	97
44) Trichloroethene	9.09	130	10762	3.831	ug/l	99
45) 1,2-Dichloropropane	9.37	63	12099	3.827	ug/l	98
46) Dibromomethane	9.46	93	5747	3.870	ug/l	98
47) Bromodichloromethane	9.64	83	14080	3.706	ug/l	99
48) Methyl methacrylate	9.44	41	8324	3.611	ug/l	94
49) 1,4-Dioxane	9.44	88	1714	69.148	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	47729	19.068	ug/l	99
52) Toluene	10.38	92	27499	3.883	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	13801	3.412	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	17408	3.657	ug/l	93
55) 1,1,2-Trichloroethane	10.79	97	8427	4.000	ug/l	95
56) Ethyl methacrylate	10.64	69	11452	3.570	ug/l	92
57) 1,3-Dichloropropane	10.93	76	16035	4.025	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	28900	19.435	ug/l	98
59) 2-Hexanone	10.97	43	31651	18.233	ug/l	99
60) Dibromochloromethane	11.13	129	8316	3.600	ug/l	99
61) 1,2-Dibromoethane	11.23	107	7839	3.928	ug/l	99
64) Tetrachloroethene	10.86	164	9798	4.100	ug/l	97
65) Chlorobenzene	11.66	112	28752	3.993	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	9634	3.800	ug/l	95
67) Ethyl Benzene	11.73	91	51994	3.772	ug/l	94
68) m/p-Xylenes	11.84	106	38008	7.620	ug/l	98
69) o-Xylene	12.16	106	17823	3.791	ug/l	99
70) Styrene	12.18	104	29363	3.619	ug/l	99
71) Bromoform	12.35	173	4660	3.457	ug/l #	97
73) Isopropylbenzene	12.46	105	49102	3.775	ug/l	100
74) N-amyl acetate	12.27	43	16157	3.567	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	10345	3.880	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	8599m	4.277	ug/l	
77) Bromobenzene	12.75	156	11520	3.947	ug/l	100
78) n-propylbenzene	12.80	91	60366	3.768	ug/l	100
79) 2-Chlorotoluene	12.89	91	35786	3.882	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	41286	3.737	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	2685	3.020	ug/l	92
82) 4-Chlorotoluene	12.99	91	37134	3.867	ug/l	99
83) tert-Butylbenzene	13.21	119	34365	3.729	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	41369	3.729	ug/l	98
85) sec-Butylbenzene	13.38	105	50063	3.765	ug/l	100
86) p-Isopropyltoluene	13.50	119	44770	3.754	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	21944	3.908	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	22710	4.016	ug/l	89
89) n-Butylbenzene	13.82	91	44958	3.779	ug/l	99
90) Hexachloroethane	14.10	117	7763	3.562	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	19973	3.920	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1651	3.491	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070819\
Data File : VW011166.D
Acq On : 08 Jul 2019 17:40
Operator : SY/VA
Sample : K3591-01LOD4PPB
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2019

Manual Integrations
APPROVED

MMDadoda
7/9/2019 4:13:24 PM

Quant Time: Jul 09 07:18:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 09 07:10:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	13559	3.864	ug/l	99
94) Hexachlorobutadiene	15.24	225	8663	4.021	ug/l	99
95) Naphthalene	15.37	128	23364	3.475	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	12482	4.030	ug/l	98

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

