

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010427.D
 Acq On : 17 May 2019 23:39
 Operator : SY/VA
 Sample : K2241-01 4PPB
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:15:19 PM

Quant Time: May 18 02:00:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 18 01:56:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	616332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1200468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1080880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	489054	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	427739	63.28	ug/l	0.00
Spiked Amount			Recovery	=	126.56%	
35) Dibromofluoromethane	7.88	113	400629	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	
50) Toluene-d8	10.32	98	1489138	53.86	ug/l	0.00
Spiked Amount			Recovery	=	107.72%	
62) 4-Bromofluorobenzene	12.62	95	584385	53.83	ug/l	0.00
Spiked Amount			Recovery	=	107.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	31866	6.287	ug/l	100
3) Chloromethane	2.21	50	38973	5.515	ug/l	97
4) Vinyl Chloride	2.35	62	34760	4.707	ug/l	95
5) Bromomethane	2.76	94	27135	6.480	ug/l	91
6) Chloroethane	2.90	64	24358	5.292	ug/l	100
7) Trichlorofluoromethane	3.25	101	48847	4.770	ug/l	86
8) Diethyl Ether	3.68	74	18986	5.212	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.05	101	30827	4.730	ug/l	95
10) Methyl Iodide	4.26	142	31326	4.298	ug/l	99
11) Tert butyl alcohol	5.18	59	19203	31.319	ug/l #	91
12) 1,1-Dichloroethene	4.03	96	30271	4.925	ug/l	91
13) Acrolein	3.90	56	12041	25.700	ug/l	93
14) Allyl chloride	4.66	41	46328	4.859	ug/l	99
15) Acrylonitrile	5.37	53	41846	26.870	ug/l	96
16) Acetone	4.13	43	33695	28.299	ug/l #	88
17) Carbon Disulfide	4.37	76	86038	4.902	ug/l	98
18) Methyl Acetate	4.67	43	25048	6.732	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	94526	5.362	ug/l	99
20) Methylene Chloride	4.91	84	42224	5.923	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	35255	4.918	ug/l	95
22) Diisopropyl ether	6.31	45	101861	5.006	ug/l #	91
23) Vinyl Acetate	6.26	43	292559	23.047	ug/l	99
24) 1,1-Dichloroethane	6.21	63	56753	4.817	ug/l	99
25) 2-Butanone	7.18	43	53524	26.371	ug/l	93
26) 2,2-Dichloropropane	7.17	77	43568	4.098	ug/l	93
27) cis-1,2-Dichloroethene	7.17	96	42034	5.228	ug/l	92
28) Bromochloromethane	7.51	49	17985	4.063	ug/l	99
29) Tetrahydrofuran	7.53	42	38321	27.900	ug/l	97
30) Chloroform	7.68	83	61080	4.930	ug/l	97
31) Cyclohexane	7.95	56	64709	5.478	ug/l #	77
32) 1,1,1-Trichloroethane	7.87	97	55815	4.777	ug/l	99
36) 1,1-Dichloropropene	8.08	75	46063	4.334	ug/l	95
37) Ethyl Acetate	7.26	43	25173	4.937	ug/l	97
38) Carbon Tetrachloride	8.07	117	48903	4.264	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010427.D
 Acq On : 17 May 2019 23:39
 Operator : SY/VA
 Sample : K2241-01 4PPB
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:15:19 PM

Quant Time: May 18 02:00:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 18 01:56:25 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.34	83	61824	4.356	ug/l	93
40) Benzene	8.32	78	134792	4.444	ug/l	100
41) Methacrylonitrile	7.49	41	15532	5.087	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	43982	4.867	ug/l	97
43) Isopropyl Acetate	8.43	43	50570	4.870	ug/l	98
44) Trichloroethene	9.09	130	38567	4.438	ug/l	97
45) 1,2-Dichloropropane	9.37	63	34848	4.693	ug/l	93
46) Dibromomethane	9.45	93	21527	4.908	ug/l	96
47) Bromodichloromethane	9.65	83	49129	4.508	ug/l	100
48) Methyl methacrylate	9.43	41	21916	4.580	ug/l	92
49) 1,4-Dioxane	9.46	88	6671	102.772	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	130544	24.577	ug/l	99
52) Toluene	10.38	92	90844	4.510	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	49836	4.434	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	56056	4.399	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	30618	4.838	ug/l	96
56) Ethyl methacrylate	10.65	69	40750	4.615	ug/l	98
57) 1,3-Dichloropropane	10.93	76	50976	4.805	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	92095	21.706	ug/l	98
59) 2-Hexanone	10.97	43	86934	23.504	ug/l	98
60) Dibromochloromethane	11.13	129	35160	4.477	ug/l	99
61) 1,2-Dibromoethane	11.24	107	30284	4.722	ug/l	95
64) Tetrachloroethene	10.86	164	36782	5.174	ug/l	98
65) Chlorobenzene	11.66	112	101287	4.615	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.73	131	34777	4.291	ug/l	97
67) Ethyl Benzene	11.73	91	173382	4.484	ug/l	95
68) m/p-Xylenes	11.84	106	135009	8.922	ug/l	97
69) o-Xylene	12.16	106	63896	4.430	ug/l	94
70) Styrene	12.18	104	109450	4.407	ug/l	99
71) Bromoform	12.35	173	20454	4.479	ug/l #	97
73) Isopropylbenzene	12.46	105	170934	4.520	ug/l	100
74) N-amyl acetate	12.27	43	42880	4.425	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	35730	4.771	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	26312m	5.024	ug/l	
77) Bromobenzene	12.75	156	38652	4.525	ug/l	91
78) n-propylbenzene	12.80	91	203063	4.629	ug/l	99
79) 2-Chlorotoluene	12.90	91	120886	4.719	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	149767	4.653	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	10982	4.138	ug/l	88
82) 4-Chlorotoluene	12.99	91	128764	4.813	ug/l	97
83) tert-Butylbenzene	13.21	119	129573	4.760	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	149653	4.726	ug/l	96
85) sec-Butylbenzene	13.38	105	178707	4.662	ug/l	98
86) p-Isopropyltoluene	13.50	119	154744	4.469	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	78753	4.787	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	76578	4.676	ug/l	92
89) n-Butylbenzene	13.83	91	147629	4.468	ug/l	99
90) Hexachloroethane	14.09	117	30979	4.447	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	69879	4.671	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7447	5.343	ug/l	82

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
Data File : VW010427.D
Acq On : 17 May 2019 23:39
Operator : SY/VA
Sample : K2241-01 4PPB
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

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

Manual Integrations
APPROVED

MMDadoda
5/20/2019 12:15:19 PM

Quant Time: May 18 02:00:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
Quant Title : SW846 8260
QLast Update : Sat May 18 01:56:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	43049	4.415	ug/l	98
94) Hexachlorobutadiene	15.24	225	22950	4.408	ug/l	98
95) Naphthalene	15.37	128	101911	4.623	ug/l	97
96) 1,2,3-Trichlorobenzene	15.56	180	38540	4.483	ug/l	96

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

