

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013247.D
 Acq On : 24 Sep 2019 00:18
 Operator : SY/VA
 Sample : VW0923SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:36:16 AM

Quant Time: Sep 24 08:11:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	307803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	432540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	375380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	192039	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	129706	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
35) Dibromofluoromethane	7.88	113	125256	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
50) Toluene-d8	10.32	98	519506	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.62	95	177695	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	36238	20.410	ug/l	95
3) Chloromethane	2.20	50	44529	19.510	ug/l	97
4) Vinyl Chloride	2.35	62	55345	18.809	ug/l	97
5) Bromomethane	2.75	94	34286	18.387	ug/l	94
6) Chloroethane	2.90	64	31395	18.101	ug/l	94
7) Trichlorofluoromethane	3.24	101	26143	15.408	ug/l	94
8) Diethyl Ether	3.68	74	29528	20.375	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55969	20.262	ug/l	98
10) Methyl Iodide	4.26	142	76947	17.967	ug/l	99
11) Tert butyl alcohol	5.17	59	28752	155.158	ug/l	97
12) 1,1-Dichloroethene	4.04	96	54840	19.172	ug/l	95
13) Acrolein	3.88	56	15201	105.116	ug/l	98
14) Allyl chloride	4.66	41	79543	17.473	ug/l	99
15) Acrylonitrile	5.36	53	81024	129.530	ug/l	98
16) Acetone	4.12	43	63728	112.492	ug/l	94
17) Carbon Disulfide	4.38	76	153575	18.575	ug/l	99
18) Methyl Acetate	4.67	43	48051	30.174	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	90029	20.536	ug/l	97
20) Methylene Chloride	4.90	84	68101	21.871	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	58861	19.039	ug/l	99
22) Diisopropyl ether	6.31	45	163912	18.934	ug/l	95
23) Vinyl Acetate	6.25	43	516485	100.567	ug/l	99
24) 1,1-Dichloroethane	6.21	63	99066	18.964	ug/l	98
25) 2-Butanone	7.16	43	105856	124.474	ug/l	95
26) 2,2-Dichloropropane	7.16	77	57451	16.124	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	62722	19.224	ug/l	98
28) Bromochloromethane	7.51	49	34974	17.444	ug/l	95
29) Tetrahydrofuran	7.53	42	70949	136.038	ug/l	98
30) Chloroform	7.67	83	98704	19.299	ug/l	98
31) Cyclohexane	7.95	56	108311	19.891	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	79400	19.169	ug/l	100
36) 1,1-Dichloropropene	8.07	75	84754	20.230	ug/l	98
37) Ethyl Acetate	7.25	43	45338	25.463	ug/l	98
38) Carbon Tetrachloride	8.07	117	74657	19.879	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013247.D
 Acq On : 24 Sep 2019 00:18
 Operator : SY/VA
 Sample : VW0923SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:36:16 AM

Quant Time: Sep 24 08:11:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	114337	21.237	ug/l	98
40) Benzene	8.32	78	229443	19.635	ug/l	100
41) Methacrylonitrile	7.48	41	28012	26.360	ug/l	97
42) 1,2-Dichloroethane	8.40	62	63329	20.160	ug/l	98
43) Isopropyl Acetate	8.42	43	80587	23.615	ug/l	98
44) Trichloroethene	9.09	130	64166	19.571	ug/l	94
45) 1,2-Dichloropropane	9.37	63	56494	19.802	ug/l	96
46) Dibromomethane	9.46	93	30089	21.723	ug/l	98
47) Bromodichloromethane	9.64	83	68476	19.429	ug/l	97
48) Methyl methacrylate	9.43	41	37005	23.061	ug/l	96
49) 1,4-Dioxane	9.45	88	12583	605.205	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	224471	131.210	ug/l	99
52) Toluene	10.38	92	148295	19.801	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	71213	19.667	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	84265	19.139	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	44566	21.527	ug/l	98
56) Ethyl methacrylate	10.65	69	62237	22.970	ug/l	99
57) 1,3-Dichloropropane	10.93	76	77647	21.493	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	149973	119.565	ug/l	100
59) 2-Hexanone	10.97	43	151848	129.012	ug/l	99
60) Dibromochloromethane	11.13	129	47434	20.178	ug/l	99
61) 1,2-Dibromoethane	11.23	107	43951	22.328	ug/l	100
64) Tetrachloroethene	10.86	164	63275	22.216	ug/l	95
65) Chlorobenzene	11.65	112	152599	19.467	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	52537	19.618	ug/l	99
67) Ethyl Benzene	11.72	91	281835	19.844	ug/l	98
68) m/p-Xylenes	11.83	106	217506	40.188	ug/l	99
69) o-Xylene	12.16	106	98354	19.546	ug/l	99
70) Styrene	12.18	104	169107	19.576	ug/l	99
71) Bromoform	12.35	173	30262	21.390	ug/l #	96
73) Isopropylbenzene	12.46	105	282654	19.925	ug/l	99
74) N-amyl acetate	12.27	43	70109	22.272	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	55315	23.315	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	42881m	25.284	ug/l	
77) Bromobenzene	12.74	156	63915	19.013	ug/l	94
78) n-propylbenzene	12.80	91	330506	19.904	ug/l	100
79) 2-Chlorotoluene	12.89	91	179824	19.330	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	237029	19.877	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16179	21.406	ug/l	95
82) 4-Chlorotoluene	12.99	91	187242	19.086	ug/l	99
83) tert-Butylbenzene	13.21	119	210092	20.073	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	232686	19.609	ug/l	98
85) sec-Butylbenzene	13.38	105	291481	20.199	ug/l	99
86) p-Isopropyltoluene	13.50	119	264988	19.799	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	125008	19.322	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	124808	19.669	ug/l	98
89) n-Butylbenzene	13.82	91	238351	19.503	ug/l	99
90) Hexachloroethane	14.09	117	44266	19.688	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	113316	20.245	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8961	24.694	ug/l	93

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092319\
Data File : VW013247.D
Acq On : 24 Sep 2019 00:18
Operator : SY/VA
Sample : VW0923SBS02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0923SBS02

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:36:16 AM

Quant Time: Sep 24 08:11:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 20 15:58:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	77576	19.342	ug/l	97
94) Hexachlorobutadiene	15.24	225	56028	20.418	ug/l	100
95) Naphthalene	15.36	128	154163	23.501	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	69982	20.193	ug/l	98

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013247.D
 Acd On : 24 Sep 2019 00:18
 Operator : SY/VA
 Sample : VW0923SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0923SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:36:16 AM

Quant Time: Sep 24 08:11:18 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

