

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090819\
 Data File : VW012788.D
 Acq On : 08 Sep 2019 23:56
 Operator : SY/VA
 Sample : VW0908SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0908SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 11:24:44 AM

Quant Time: Sep 09 07:23:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	210525	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	299487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	255992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	125689	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	105734	44.95	ug/l	0.00
Spiked Amount			Recovery	=	89.90%	
35) Dibromofluoromethane	7.88	113	83063	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	
50) Toluene-d8	10.32	98	334856	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
62) 4-Bromofluorobenzene	12.62	95	112366	44.37	ug/l	0.00
Spiked Amount			Recovery	=	88.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	25229	22.105	ug/l	97
3) Chloromethane	2.21	50	29440	21.225	ug/l	89
4) Vinyl Chloride	2.36	62	38695	22.753	ug/l	99
5) Bromomethane	2.77	94	20409	22.100	ug/l	96
6) Chloroethane	2.90	64	22031	21.708	ug/l	99
7) Trichlorofluoromethane	3.24	101	21095	17.975	ug/l	100
8) Diethyl Ether	3.68	74	17641	17.885	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	39139	21.251	ug/l	96
10) Methyl Iodide	4.26	142	44847	19.343	ug/l	97
11) Tert butyl alcohol	5.21	59	14660m	81.457	ug/l	
12) 1,1-Dichloroethene	4.03	96	34671	19.942	ug/l	96
13) Acrolein	3.89	56	12119	63.455	ug/l	99
14) Allyl chloride	4.66	41	62790	17.459	ug/l	96
15) Acrylonitrile	5.37	53	49854	86.535	ug/l	99
16) Acetone	4.14	43	44221	68.958	ug/l	99
17) Carbon Disulfide	4.37	76	71469	19.366	ug/l #	95
18) Methyl Acetate	4.67	43	26240	17.441	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	63362	18.377	ug/l	91
20) Methylene Chloride	4.91	84	36198	18.043	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	37242	20.994	ug/l	94
22) Diisopropyl ether	6.31	45	129918	18.213	ug/l #	92
23) Vinyl Acetate	6.25	43	385771	85.337	ug/l	100
24) 1,1-Dichloroethane	6.20	63	74634	19.432	ug/l	100
25) 2-Butanone	7.17	43	69072	87.074	ug/l	98
26) 2,2-Dichloropropane	7.17	77	42631	17.574	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	40776	19.824	ug/l	97
28) Bromochloromethane	7.51	49	29182	16.547	ug/l #	92
29) Tetrahydrofuran	7.53	42	44181	85.316	ug/l	96
30) Chloroform	7.67	83	74847	19.663	ug/l	99
31) Cyclohexane	7.95	56	70067	20.264	ug/l #	88
32) 1,1,1-Trichloroethane	7.87	97	64556	20.923	ug/l	99
36) 1,1-Dichloropropene	8.08	75	58659	22.044	ug/l	99
37) Ethyl Acetate	7.26	43	31515	18.578	ug/l	99
38) Carbon Tetrachloride	8.07	117	59631	22.733	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090819\
 Data File : VW012788.D
 Acq On : 08 Sep 2019 23:56
 Operator : SY/VA
 Sample : VW0908SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0908SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 11:24:44 AM

Quant Time: Sep 09 07:23:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	67125	22.460	ug/l	98
40) Benzene	8.32	78	154854	20.974	ug/l	98
41) Methacrylonitrile	7.48	41	20065	19.903	ug/l	94
42) 1,2-Dichloroethane	8.40	62	53568	20.616	ug/l	99
43) Isopropyl Acetate	8.42	43	58550	18.218	ug/l	96
44) Trichloroethene	9.09	130	41823	21.976	ug/l	88
45) 1,2-Dichloropropane	9.37	63	39857	19.464	ug/l	96
46) Dibromomethane	9.46	93	19299	19.903	ug/l	98
47) Bromodichloromethane	9.64	83	51999	19.492	ug/l	99
48) Methyl methacrylate	9.43	41	27508	17.911	ug/l	97
49) 1,4-Dioxane	9.47	88	6560	342.492	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	153644	91.109	ug/l	98
52) Toluene	10.38	92	96219	20.881	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	50065	18.251	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	58140	18.683	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	27927	19.237	ug/l	97
56) Ethyl methacrylate	10.65	69	39331	18.509	ug/l	99
57) 1,3-Dichloropropane	10.93	76	52410	19.515	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	104500	92.631	ug/l	96
59) 2-Hexanone	10.97	43	104432	84.764	ug/l	100
60) Dibromochloromethane	11.13	129	32613	19.102	ug/l	99
61) 1,2-Dibromoethane	11.23	107	25840	19.415	ug/l	96
64) Tetrachloroethene	10.86	164	39302	25.302	ug/l	93
65) Chlorobenzene	11.65	112	99872	20.642	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	36767	20.406	ug/l	97
67) Ethyl Benzene	11.73	91	189699	20.897	ug/l	98
68) m/p-Xylenes	11.84	106	137565	41.983	ug/l	100
69) o-Xylene	12.16	106	64030	20.713	ug/l	100
70) Styrene	12.18	104	109363	20.020	ug/l	98
71) Bromoform	12.35	173	19889	19.868	ug/l #	94
73) Isopropylbenzene	12.46	105	188129	20.869	ug/l	100
74) N-amyl acetate	12.27	43	51375	17.954	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	34287	18.939	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	27379m	21.303	ug/l	
77) Bromobenzene	12.74	156	42700	20.907	ug/l	94
78) n-propylbenzene	12.80	91	223295	20.711	ug/l	100
79) 2-Chlorotoluene	12.89	91	126527	20.442	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	156500	20.602	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10194	16.776	ug/l	96
82) 4-Chlorotoluene	12.99	91	132788	20.282	ug/l	99
83) tert-Butylbenzene	13.21	119	141353	21.045	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	155836	20.360	ug/l	99
85) sec-Butylbenzene	13.38	105	193589	20.771	ug/l	99
86) p-Isopropyltoluene	13.49	119	173466	20.376	ug/l	99
87) 1,3-Dichlorobenzene	13.49	146	81304	20.253	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	79702	19.953	ug/l	99
89) n-Butylbenzene	13.82	91	161916	19.591	ug/l	99
90) Hexachloroethane	14.09	117	30437	20.480	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	73035	20.213	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5734	17.307	ug/l	95

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090819\
Data File : VW012788.D
Acq On : 08 Sep 2019 23:56
Operator : SY/VA
Sample : VW0908SBS02
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0908SBS02

Manual Integrations
APPROVED

MMDadoda
9/9/2019 11:24:44 AM

Quant Time: Sep 09 07:23:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
Quant Title : SW846 8260
QLast Update : Sun Sep 08 05:04:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	48459	19.263	ug/l	98
94) Hexachlorobutadiene	15.24	225	35960	20.652	ug/l	99
95) Naphthalene	15.36	128	84630	19.063	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	43378	19.535	ug/l	98

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

