

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW031219\
 Data File : VW009126.D
 Acq On : 12 Mar 2019 16:18
 Operator : SY/VA
 Sample : VW0312SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/20/2019 9:38:16 AM

Quant Time: Mar 13 05:21:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	272293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	385750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	368545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	201681	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	144834	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
35) Dibromofluoromethane	7.88	113	126579	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
50) Toluene-d8	10.32	98	517352	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	
62) 4-Bromofluorobenzene	12.62	95	193451	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	59688	21.751	ug/l	98
3) Chloromethane	2.21	50	72198	20.710	ug/l	96
4) Vinyl Chloride	2.35	62	71301	20.154	ug/l	98
5) Bromomethane	2.76	94	57391	19.218	ug/l	98
6) Chloroethane	2.91	64	48145	19.116	ug/l	97
7) Trichlorofluoromethane	3.26	101	96637	21.215	ug/l	97
8) Diethyl Ether	3.68	74	26705	19.173	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	56426	19.889	ug/l	97
10) Methyl Iodide	4.26	142	54419	19.744	ug/l	100
11) Tert butyl alcohol	5.18	59	21171	100.847	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	47865	19.559	ug/l	98
13) Acrolein	3.89	56	21410	92.680	ug/l	100
14) Allyl chloride	4.67	41	82159	19.033	ug/l	97
15) Acrylonitrile	5.37	53	59508	97.893	ug/l	97
16) Acetone	4.12	43	63869	103.315	ug/l	96
17) Carbon Disulfide	4.38	76	160949	19.547	ug/l	99
18) Methyl Acetate	4.68	43	24843	17.476	ug/l	93
19) Methyl tert-butyl Ether	5.42	73	125495	19.386	ug/l	98
20) Methylene Chloride	4.91	84	67085	19.790	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	55440	19.620	ug/l	98
22) Diisopropyl ether	6.31	45	170180	19.838	ug/l	96
23) Vinyl Acetate	6.26	43	526050	98.543	ug/l	99
24) 1,1-Dichloroethane	6.21	63	98489	19.794	ug/l	100
25) 2-Butanone	7.17	43	83880	98.178	ug/l	97
26) 2,2-Dichloropropane	7.17	77	93609	20.697	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	59460	19.593	ug/l	98
28) Bromochloromethane	7.51	49	43754	21.141	ug/l	97
29) Tetrahydrofuran	7.53	42	50152	93.150	ug/l	99
30) Chloroform	7.68	83	101403	19.795	ug/l	95
31) Cyclohexane	7.95	56	101671	19.900	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	96441	20.400	ug/l	99
36) 1,1-Dichloropropene	8.08	75	85538	21.207	ug/l	98
37) Ethyl Acetate	7.26	43	33928	17.908	ug/l #	94
38) Carbon Tetrachloride	8.07	117	86246	20.705	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW031219\
 Data File : VW009126.D
 Acq On : 12 Mar 2019 16:18
 Operator : SY/VA
 Sample : VW0312SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/20/2019 9:38:16 AM

Quant Time: Mar 13 05:21:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	95282	19.833	ug/l	99
40) Benzene	8.32	78	220763	20.503	ug/l	96
41) Methacrylonitrile	7.48	41	21978	20.890	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	70586	20.306	ug/l	99
43) Isopropyl Acetate	8.43	43	68881	19.521	ug/l	99
44) Trichloroethene	9.09	130	60620	20.088	ug/l	98
45) 1,2-Dichloropropane	9.37	63	54259	20.121	ug/l	99
46) Dibromomethane	9.46	93	29564	20.074	ug/l	99
47) Bromodichloromethane	9.65	83	76512	20.523	ug/l	99
48) Methyl methacrylate	9.44	41	30718	18.696	ug/l	92
49) 1,4-Dioxane	9.45	88	7968	377.813	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	176330	98.434	ug/l	99
52) Toluene	10.38	92	145263	19.893	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	73440	19.917	ug/l #	87
54) cis-1,3-Dichloropropene	10.07	75	83990	19.822	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	40833	20.456	ug/l	98
56) Ethyl methacrylate	10.65	69	47201	19.053	ug/l	99
57) 1,3-Dichloropropane	10.93	76	70775	20.014	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	122797	95.613	ug/l	100
59) 2-Hexanone	10.97	43	126856	100.722	ug/l	97
60) Dibromochloromethane	11.13	129	50130	20.293	ug/l	97
61) 1,2-Dibromoethane	11.24	107	38788	19.821	ug/l	98
64) Tetrachloroethene	10.86	164	54370	20.457	ug/l	96
65) Chlorobenzene	11.66	112	160009	19.947	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	54836	20.473	ug/l	98
67) Ethyl Benzene	11.73	91	286801	19.791	ug/l	99
68) m/p-Xylenes	11.84	106	228780	39.996	ug/l	98
69) o-Xylene	12.17	106	103837	19.510	ug/l	96
70) Styrene	12.18	104	167366	19.436	ug/l	99
71) Bromoform	12.35	173	27826	19.348	ug/l #	98
73) Isopropylbenzene	12.46	105	288081	19.947	ug/l	98
74) N-amyl acetate	12.27	43	65224	19.077	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	45700	20.060	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	33611m	21.093	ug/l	
77) Bromobenzene	12.75	156	66707	20.214	ug/l	96
78) n-propylbenzene	12.80	91	356213	20.024	ug/l	100
79) 2-Chlorotoluene	12.90	91	196141	19.624	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	242879	19.509	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	13910	19.526	ug/l	95
82) 4-Chlorotoluene	12.99	91	208650	19.583	ug/l	98
83) tert-Butylbenzene	13.21	119	206302	19.649	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	244253	19.395	ug/l	99
85) sec-Butylbenzene	13.38	105	301703	19.394	ug/l	97
86) p-Isopropyltoluene	13.50	119	269216	19.345	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	137556	19.835	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	134967	19.693	ug/l	98
89) n-Butylbenzene	13.83	91	252564	19.091	ug/l	99
90) Hexachloroethane	14.10	117	48563	20.233	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	119395	19.513	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7417	18.279	ug/l	89

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW031219\
Data File : VW009126.D
Acq On : 12 Mar 2019 16:18
Operator : SY/VA
Sample : VW0312SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Manual Integrations
APPROVED

MMDadoda
3/20/2019 9:38:16 AM

Quant Time: Mar 13 05:21:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 05:22:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	75511	18.273	ug/l	97
94) Hexachlorobutadiene	15.24	225	51007	19.707	ug/l	98
95) Naphthalene	15.37	128	121651	17.984	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	67246	18.507	ug/l	97

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

