

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009257.D
 Acq On : 20 Mar 2019 00:37
 Operator : SY/VA
 Sample : VW0319SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:53:14 AM

Quant Time: Mar 20 08:28:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 07:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	267175	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	427746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	398318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	216684	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	146962	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
35) Dibromofluoromethane	7.88	113	129947	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
50) Toluene-d8	10.32	98	473904	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	12.62	95	177228	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	30592	17.524	ug/l	95
3) Chloromethane	2.21	50	39241	20.261	ug/l	100
4) Vinyl Chloride	2.37	62	53999	18.996	ug/l	95
5) Bromomethane	2.78	94	47737	20.593	ug/l	98
6) Chloroethane	2.93	64	44372	20.120	ug/l	96
7) Trichlorofluoromethane	3.26	101	32818	17.624	ug/l	91
8) Diethyl Ether	3.67	74	29473	21.947	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	49929	18.510	ug/l	96
10) Methyl Iodide	4.27	142	81047	20.843	ug/l #	95
11) Tert butyl alcohol	5.17	59	20408	123.695	ug/l	99
12) 1,1-Dichloroethene	4.04	96	50710	19.888	ug/l	90
13) Acrolein	3.89	56	13689	101.650	ug/l	89
14) Allyl chloride	4.65	41	74472	19.811	ug/l	95
15) Acrylonitrile	5.35	53	64145	113.654	ug/l	97
16) Acetone	4.12	43	55609	95.375	ug/l	99
17) Carbon Disulfide	4.38	76	136304	19.175	ug/l	100
18) Methyl Acetate	4.67	43	31038	20.742	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	70710	22.595	ug/l	97
20) Methylene Chloride	4.92	84	58767	22.639	ug/l	90
21) trans-1,2-Dichloroethene	5.42	96	53538	20.408	ug/l	96
22) Diisopropyl ether	6.31	45	176319	21.757	ug/l	98
23) Vinyl Acetate	6.25	43	555464	109.243	ug/l	99
24) 1,1-Dichloroethane	6.21	63	100933	20.181	ug/l	98
25) 2-Butanone	7.17	43	89486	107.111	ug/l	96
26) 2,2-Dichloropropane	7.17	77	52953	18.949	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	60271	21.207	ug/l	97
28) Bromochloromethane	7.51	49	46319	21.115	ug/l #	99
29) Tetrahydrofuran	7.53	42	59980	112.950	ug/l	99
30) Chloroform	7.67	83	107617	20.681	ug/l	98
31) Cyclohexane	7.95	56	87616	18.791	ug/l #	88
32) 1,1,1-Trichloroethane	7.87	97	81984	19.738	ug/l	96
36) 1,1-Dichloropropene	8.08	75	77929	18.308	ug/l	99
37) Ethyl Acetate	7.25	43	41506	21.369	ug/l	98
38) Carbon Tetrachloride	8.06	117	81583	18.111	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009257.D
 Acq On : 20 Mar 2019 00:37
 Operator : SY/VA
 Sample : VW0319SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:53:14 AM

Quant Time: Mar 20 08:28:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 07:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	87202	17.707	ug/l	99
40) Benzene	8.32	78	223757	19.385	ug/l	100
41) Methacrylonitrile	7.48	41	23553	22.499	ug/l	94
42) 1,2-Dichloroethane	8.40	62	79947	21.188	ug/l	98
43) Isopropyl Acetate	8.42	43	77893	20.028	ug/l	99
44) Trichloroethene	9.09	130	59037	18.671	ug/l	97
45) 1,2-Dichloropropane	9.37	63	57729	19.674	ug/l	99
46) Dibromomethane	9.46	93	33030	20.470	ug/l	99
47) Bromodichloromethane	9.64	83	81084	19.886	ug/l	99
48) Methyl methacrylate	9.43	41	37110	20.609	ug/l	99
49) 1,4-Dioxane	9.44	88	10314	412.111	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	211918	104.551	ug/l	100
52) Toluene	10.38	92	142219	19.445	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	75639	19.023	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	86253	19.282	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	45870	20.994	ug/l	95
56) Ethyl methacrylate	10.65	69	53795	20.677	ug/l	99
57) 1,3-Dichloropropane	10.93	76	79589	21.120	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	146565	192.535	ug/l	99
59) 2-Hexanone	10.97	43	143216	104.075	ug/l	100
60) Dibromochloromethane	11.12	129	53239	19.723	ug/l	100
61) 1,2-Dibromoethane	11.24	107	43034	20.680	ug/l	100
64) Tetrachloroethene	10.86	164	53959	19.781	ug/l	97
65) Chlorobenzene	11.66	112	162430	19.718	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	58030	18.860	ug/l	97
67) Ethyl Benzene	11.73	91	273723	19.184	ug/l	99
68) m/p-Xylenes	11.84	106	209945	37.962	ug/l	99
69) o-Xylene	12.16	106	97348	18.956	ug/l	97
70) Styrene	12.18	104	164425	19.419	ug/l	99
71) Bromoform	12.35	173	32822	19.529	ug/l #	98
73) Isopropylbenzene	12.46	105	268419	18.533	ug/l	100
74) N-amyl acetate	12.27	43	77070	20.400	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	55107	20.341	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	38849m	19.079	ug/l	
77) Bromobenzene	12.75	156	68232	19.889	ug/l	96
78) n-propylbenzene	12.80	91	332467	18.691	ug/l	98
79) 2-Chlorotoluene	12.89	91	193552	19.155	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	236361	19.191	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	15709	18.930	ug/l	98
82) 4-Chlorotoluene	12.99	91	207423	19.485	ug/l	100
83) tert-Butylbenzene	13.21	119	196343	18.654	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	244625	19.374	ug/l	100
85) sec-Butylbenzene	13.38	105	291606	18.749	ug/l	100
86) p-Isopropyltoluene	13.50	119	260055	18.777	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	137535	19.374	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	135176	19.124	ug/l	98
89) n-Butylbenzene	13.83	91	241437	18.160	ug/l	99
90) Hexachloroethane	14.10	117	51798	18.969	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	125313	19.685	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9642	19.876	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009257.D
 Acq On : 20 Mar 2019 00:37
 Operator : SY/VA
 Sample : VW0319SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0319SBS02

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:53:14 AM

Quant Time: Mar 20 08:28:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 07:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	84446	19.753	ug/l	99
94) Hexachlorobutadiene	15.24	225	50707	18.648	ug/l	99
95) Naphthalene	15.37	128	152630	20.606	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	76103	19.942	ug/l	99

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

