

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009156.D
 Acq On : 13 Mar 2019 15:35
 Operator : SY/VA
 Sample : VW0313SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0313SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 12:43:35 PM

Quant Time: Mar 14 05:33:36 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	287918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	410002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	387133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	212970	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	132838	45.86	ug/l	0.00
Spiked Amount			Recovery	=	91.72%	
35) Dibromofluoromethane	7.88	113	117203	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
50) Toluene-d8	10.32	98	494909	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.62	95	184110	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	63737	21.966	ug/l	97
3) Chloromethane	2.21	50	76011	20.621	ug/l	97
4) Vinyl Chloride	2.35	62	76013	20.320	ug/l	99
5) Bromomethane	2.76	94	82090	25.997	ug/l	100
6) Chloroethane	2.92	64	53555	20.110	ug/l	98
7) Trichlorofluoromethane	3.26	101	103244	21.435	ug/l	95
8) Diethyl Ether	3.68	74	28787	19.547	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	62288	20.764	ug/l	99
10) Methyl Iodide	4.28	142	48032	17.007	ug/l	98
11) Tert butyl alcohol	5.19	59	16681	75.147	ug/l #	94
12) 1,1-Dichloroethene	4.04	96	54437	21.038	ug/l	94
13) Acrolein	3.90	56	17574	71.946	ug/l	91
14) Allyl chloride	4.67	41	94294	20.659	ug/l	96
15) Acrylonitrile	5.38	53	57324	89.182	ug/l	99
16) Acetone	4.13	43	59200	90.565	ug/l	91
17) Carbon Disulfide	4.37	76	170499	19.584	ug/l	99
18) Methyl Acetate	4.67	43	25576	17.015	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	132889	19.414	ug/l	95
20) Methylene Chloride	4.91	84	63800	17.187	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	61469	20.573	ug/l	93
22) Diisopropyl ether	6.31	45	185420	20.442	ug/l	96
23) Vinyl Acetate	6.26	43	543098	96.215	ug/l	99
24) 1,1-Dichloroethane	6.21	63	109025	20.722	ug/l	99
25) 2-Butanone	7.18	43	78694	87.110	ug/l	93
26) 2,2-Dichloropropane	7.17	77	103934	21.733	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	64597	20.131	ug/l	96
28) Bromochloromethane	7.51	49	43529	19.891	ug/l	95
29) Tetrahydrofuran	7.53	42	48718	85.576	ug/l	98
30) Chloroform	7.67	83	108954	20.115	ug/l	100
31) Cyclohexane	7.95	56	114672	21.227	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	104945	20.994	ug/l	99
36) 1,1-Dichloropropene	8.08	75	93362	21.778	ug/l	98
37) Ethyl Acetate	7.26	43	33057	16.416	ug/l	97
38) Carbon Tetrachloride	8.07	117	97301	21.977	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	107825	21.116	ug/l	97
40) Benzene	8.32	78	239391	20.918	ug/l	96
41) Methacrylonitrile	7.49	41	20381	18.226	ug/l	92
42) 1,2-Dichloroethane	8.40	62	73586	19.917	ug/l	100
43) Isopropyl Acetate	8.43	43	67999	18.131	ug/l	96
44) Trichloroethene	9.09	130	66130	20.617	ug/l	96
45) 1,2-Dichloropropane	9.37	63	60472	21.098	ug/l	97
46) Dibromomethane	9.46	93	30716	19.622	ug/l	97
47) Bromodichloromethane	9.64	83	81181	20.487	ug/l	98
48) Methyl methacrylate	9.44	41	34415	19.707	ug/l	97
49) 1,4-Dioxane	9.47	88	7875	351.317	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	171401	90.023	ug/l	99
52) Toluene	10.38	92	163423	21.056	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	77577	19.795	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	91937	20.414	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	42132	19.858	ug/l	98
56) Ethyl methacrylate	10.65	69	47711	18.119	ug/l	98
57) 1,3-Dichloropropane	10.93	76	73337	19.512	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	127522	93.419	ug/l	99
59) 2-Hexanone	10.97	43	120837	90.268	ug/l	99
60) Dibromochloromethane	11.13	129	50879	19.378	ug/l	100
61) 1,2-Dibromoethane	11.23	107	38416	18.470	ug/l	94
64) Tetrachloroethene	10.86	164	58295	20.881	ug/l	98
65) Chlorobenzene	11.66	112	177343	21.046	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	57523	20.445	ug/l	98
67) Ethyl Benzene	11.73	91	318966	20.953	ug/l	98
68) m/p-Xylenes	11.84	106	253812	42.241	ug/l	100
69) o-Xylene	12.17	106	115487	20.657	ug/l	99
70) Styrene	12.18	104	182846	20.214	ug/l	98
71) Bromoform	12.35	173	28543	18.894	ug/l #	97
73) Isopropylbenzene	12.46	105	327822	21.495	ug/l	100
74) N-amyl acetate	12.27	43	66970	18.549	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	46049	19.141	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	16769m	9.966	ug/l	
77) Bromobenzene	12.75	156	70527	20.239	ug/l	100
78) n-propylbenzene	12.80	91	406291	21.628	ug/l	99
79) 2-Chlorotoluene	12.90	91	225965	21.409	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	271721	20.669	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13190	17.534	ug/l	93
82) 4-Chlorotoluene	12.99	91	237798	21.136	ug/l	98
83) tert-Butylbenzene	13.21	119	246544	22.237	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	279540	21.021	ug/l	99
85) sec-Butylbenzene	13.38	105	356495	21.702	ug/l	100
86) p-Isopropyltoluene	13.50	119	310411	21.123	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	152592	20.837	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	149013	20.590	ug/l	99
89) n-Butylbenzene	13.83	91	293605	21.016	ug/l	99
90) Hexachloroethane	14.10	117	54882	21.654	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	133336	20.636	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7945	18.543	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	83822	19.209	ug/l	99
94) Hexachlorobutadiene	15.24	225	58934	21.562	ug/l	98
95) Naphthalene	15.37	128	124751	17.465	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	70740	18.436	ug/l	98

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

