

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011867.D
 Acq On : 12 Aug 2019 23:27
 Operator : SY/VA
 Sample : VW0812SBS03
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0812SBS03

Manual Integrations
 APPROVED

MMDadoda
 8/13/2019 2:36:34 PM

Quant Time: Aug 13 09:36:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	200203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	337814	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	298855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	146350	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	134437	58.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.96%	
35) Dibromofluoromethane	7.88	113	105289	55.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.12%	
50) Toluene-d8	10.32	98	421412	54.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.62%	
62) 4-Bromofluorobenzene	12.61	95	151247	54.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.34%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	25014	22.419	ug/l	100
3) Chloromethane	2.21	50	42727	22.084	ug/l	97
4) Vinyl Chloride	2.35	62	48736	20.923	ug/l	99
5) Bromomethane	2.77	94	25209	19.552	ug/l	98
6) Chloroethane	2.92	64	27719	20.833	ug/l	95
7) Trichlorofluoromethane	3.25	101	21369	20.527	ug/l	92
8) Diethyl Ether	3.68	74	26714	22.633	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	43527	22.042	ug/l	96
10) Methyl Iodide	4.27	142	60504	21.681	ug/l	98
11) Tert butyl alcohol	5.19	59	16389	84.819	ug/l	98
12) 1,1-Dichloroethene	4.04	96	43472	20.850	ug/l	97
13) Acrolein	3.90	56	12492	75.731	ug/l	99
14) Allyl chloride	4.67	41	95450	21.524	ug/l	98
15) Acrylonitrile	5.37	53	66906	113.556	ug/l	99
16) Acetone	4.13	43	58654	80.208	ug/l	99
17) Carbon Disulfide	4.38	76	134729	20.646	ug/l	100
18) Methyl Acetate	4.67	43	43026	26.191	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	76926	23.250	ug/l	98
20) Methylene Chloride	4.92	84	56508	22.406	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	49624	22.076	ug/l	98
22) Diisopropyl ether	6.31	45	193212	23.109	ug/l	99
23) Vinyl Acetate	6.25	43	569384	108.379	ug/l	100
24) 1,1-Dichloroethane	6.21	63	101007	22.557	ug/l	98
25) 2-Butanone	7.17	43	91930	96.072	ug/l	100
26) 2,2-Dichloropropane	7.16	77	51014	18.525	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	54075	21.857	ug/l	99
28) Bromochloromethane	7.51	49	50370	25.343	ug/l	99
29) Tetrahydrofuran	7.53	42	60544	110.691	ug/l	99
30) Chloroform	7.68	83	95655	23.155	ug/l	96
31) Cyclohexane	7.95	56	88834	20.667	ug/l #	95
32) 1,1,1-Trichloroethane	7.87	97	71548	22.742	ug/l	99
36) 1,1-Dichloropropene	8.08	75	73461	20.913	ug/l	99
37) Ethyl Acetate	7.25	43	43095	21.324	ug/l	99
38) Carbon Tetrachloride	8.07	117	63978	21.276	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78891	20.397	ug/l	98
40) Benzene	8.32	78	213460	21.695	ug/l	99
41) Methacrylonitrile	7.48	41	27499	22.763	ug/l	97
42) 1,2-Dichloroethane	8.40	62	70362	22.841	ug/l	100
43) Isopropyl Acetate	8.42	43	80808	21.742	ug/l	99
44) Trichloroethene	9.09	130	49277	20.838	ug/l	100
45) 1,2-Dichloropropane	9.37	63	58352	22.165	ug/l	100
46) Dibromomethane	9.46	93	26624	22.158	ug/l	99
47) Bromodichloromethane	9.65	83	70073	22.232	ug/l	98
48) Methyl methacrylate	9.43	41	38639	21.643	ug/l	99
49) 1,4-Dioxane	9.46	88	7880	452.923	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	210445	108.858	ug/l	99
52) Toluene	10.39	92	129881	21.859	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	68725	20.873	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	80994	20.689	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	37645	22.081	ug/l	97
56) Ethyl methacrylate	10.65	69	53491	21.441	ug/l	97
57) 1,3-Dichloropropane	10.93	76	70653	21.905	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	148030	130.686	ug/l	99
59) 2-Hexanone	10.97	43	138967	101.810	ug/l	99
60) Dibromochloromethane	11.13	129	41054	21.694	ug/l	100
61) 1,2-Dibromoethane	11.24	107	34627	21.463	ug/l	97
64) Tetrachloroethene	10.86	164	42356	21.767	ug/l	96
65) Chlorobenzene	11.66	112	128707	21.421	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	45901	21.932	ug/l	99
67) Ethyl Benzene	11.73	91	243624	21.290	ug/l	97
68) m/p-Xylenes	11.84	106	175874	42.262	ug/l	99
69) o-Xylene	12.16	106	82912	21.440	ug/l	99
70) Styrene	12.18	104	142559	21.321	ug/l	99
71) Bromoform	12.35	173	23642	22.156	ug/l #	100
73) Isopropylbenzene	12.46	105	227927	20.876	ug/l	100
74) N-amyl acetate	12.27	43	72144	21.106	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	45512	22.161	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	32031m	20.684	ug/l	
77) Bromobenzene	12.74	156	51407	21.302	ug/l	98
78) n-propylbenzene	12.80	91	278003	20.922	ug/l	99
79) 2-Chlorotoluene	12.89	91	160630	20.984	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	194091	21.207	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13643	20.304	ug/l	96
82) 4-Chlorotoluene	12.99	91	169601	21.117	ug/l	100
83) tert-Butylbenzene	13.21	119	163664	21.385	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	195793	21.237	ug/l	99
85) sec-Butylbenzene	13.38	105	227057	20.792	ug/l	99
86) p-Isopropyltoluene	13.50	119	206966	20.888	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	98979	20.918	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	97030	20.614	ug/l	97
89) n-Butylbenzene	13.82	91	195081	19.729	ug/l	98
90) Hexachloroethane	14.09	117	37388	21.340	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	86801	20.741	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7460	21.302	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	57542	19.509	ug/l	99
94) Hexachlorobutadiene	15.24	225	38039	20.681	ug/l	98
95) Naphthalene	15.37	128	109744	20.276	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	52338	20.244	ug/l	98

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

