

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051119\
 Data File : VW010378.D
 Acq On : 11 May 2019 13:47
 Operator : SY/VA
 Sample : VW0511SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0511SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 3:44:08 AM

Quant Time: May 12 00:43:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1409916	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2273513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	2049785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1029226	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	781665	52.15	ug/l	0.00
Spiked Amount						
			Recovery	=	104.30%	
35) Dibromofluoromethane	7.88	113	697987	52.46	ug/l	0.00
Spiked Amount						
			Recovery	=	104.92%	
50) Toluene-d8	10.32	98	2807546	51.82	ug/l	0.00
Spiked Amount						
			Recovery	=	103.64%	
62) 4-Bromofluorobenzene	12.62	95	1011262	53.03	ug/l	0.00
Spiked Amount						
			Recovery	=	106.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	189439	17.782	ug/l	94
3) Chloromethane	2.21	50	261771	18.138	ug/l	95
4) Vinyl Chloride	2.37	62	347032	19.348	ug/l	99
5) Bromomethane	2.77	94	195081	18.861	ug/l	99
6) Chloroethane	2.92	64	201766	19.451	ug/l	94
7) Trichlorofluoromethane	3.25	101	148355	16.522	ug/l	97
8) Diethyl Ether	3.67	74	167095	21.168	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	288480	19.607	ug/l	98
10) Methyl Iodide	4.26	142	413763	19.859	ug/l	94
11) Tert butyl alcohol	5.18	59	80543	76.087	ug/l	100
12) 1,1-Dichloroethene	4.03	96	304486	19.805	ug/l	93
13) Acrolein	3.89	56	108008	77.282	ug/l	95
14) Allyl chloride	4.65	41	469418	20.455	ug/l	92
15) Acrylonitrile	5.37	53	363061	82.981	ug/l	99
16) Acetone	4.12	43	322404	82.507	ug/l	95
17) Carbon Disulfide	4.37	76	884091	19.013	ug/l	99
18) Methyl Acetate	4.67	43	164869	17.034	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	376164	20.553	ug/l	100
20) Methylene Chloride	4.90	84	331864	20.362	ug/l	90
21) trans-1,2-Dichloroethene	5.41	96	339432	20.511	ug/l	100
22) Diisopropyl ether	6.31	45	1028625	23.095	ug/l	96
23) Vinyl Acetate	6.25	43	3148202	102.940	ug/l	97
24) 1,1-Dichloroethane	6.21	63	633487	21.126	ug/l	99
25) 2-Butanone	7.17	43	484123	80.986	ug/l	96
26) 2,2-Dichloropropane	7.16	77	317005	21.248	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	361946	21.267	ug/l	97
28) Bromochloromethane	7.51	49	269893	24.413	ug/l	99
29) Tetrahydrofuran	7.53	42	318601	82.400	ug/l	96
30) Chloroform	7.67	83	612409	21.822	ug/l	98
31) Cyclohexane	7.95	56	623643	20.312	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	457490	21.046	ug/l	100
36) 1,1-Dichloropropene	8.08	75	510367	20.704	ug/l	99
37) Ethyl Acetate	7.25	43	226259	17.239	ug/l	97
38) Carbon Tetrachloride	8.07	117	434004	20.539	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	606441	20.110	ug/l	99
40) Benzene	8.32	78	1415617	20.969	ug/l	100
41) Methacrylonitrile	7.48	41	127881	17.373	ug/l	94
42) 1,2-Dichloroethane	8.40	62	414621	21.456	ug/l	97
43) Isopropyl Acetate	8.42	43	400967	18.420	ug/l	96
44) Trichloroethene	9.09	130	348253	20.605	ug/l	100
45) 1,2-Dichloropropane	9.37	63	363107	21.638	ug/l	96
46) Dibromomethane	9.46	93	173666	20.032	ug/l	97
47) Bromodichloromethane	9.64	83	444385	21.369	ug/l	99
48) Methyl methacrylate	9.43	41	192920	18.744	ug/l	87
49) 1,4-Dioxane	9.45	88	47209	312.260	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	1108861	88.839	ug/l	95
52) Toluene	10.38	92	881045	21.352	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	442015	20.984	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	531223	21.295	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	251731	20.444	ug/l	97
56) Ethyl methacrylate	10.65	69	320162	19.690	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	463347	21.049	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	895400	115.014	ug/l	100
59) 2-Hexanone	10.97	43	767130	86.927	ug/l	94
60) Dibromochloromethane	11.13	129	278461	21.016	ug/l	99
61) 1,2-Dibromoethane	11.24	107	233024	19.714	ug/l	96
64) Tetrachloroethene	10.86	164	291171	20.324	ug/l	98
65) Chlorobenzene	11.66	112	898164	21.167	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	301619	21.031	ug/l	98
67) Ethyl Benzene	11.73	91	1674840	21.456	ug/l	99
68) m/p-Xylenes	11.84	106	1260282	43.455	ug/l	99
69) o-Xylene	12.17	106	565851	21.568	ug/l	98
70) Styrene	12.18	104	1014222	22.187	ug/l	98
71) Bromoform	12.35	173	153550	18.730	ug/l #	98
73) Isopropylbenzene	12.47	105	1590753	21.204	ug/l	100
74) N-amyl acetate	12.27	43	369296	19.054	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.71	83	299667	18.129	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	215517m	17.960	ug/l	
77) Bromobenzene	12.75	156	356638	21.054	ug/l	100
78) n-propylbenzene	12.80	91	1997339	21.556	ug/l	100
79) 2-Chlorotoluene	12.90	91	1126456	21.348	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1375286	21.745	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	88763	16.705	ug/l	98
82) 4-Chlorotoluene	12.99	91	1189082	21.508	ug/l	99
83) tert-Butylbenzene	13.21	119	1102304	20.896	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1377642	21.920	ug/l	100
85) sec-Butylbenzene	13.38	105	1653958	21.239	ug/l	100
86) p-Isopropyltoluene	13.50	119	1495048	21.622	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	717221	21.204	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	709216	21.128	ug/l	99
89) n-Butylbenzene	13.83	91	1478122	21.320	ug/l	98
90) Hexachloroethane	14.10	117	258037	20.121	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	631137	21.078	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	47300	15.891	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	435572	21.315	ug/l	99
94) Hexachlorobutadiene	15.24	225	271416	20.718	ug/l	99
95) Naphthalene	15.37	128	767316	18.849	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	384453	20.825	ug/l	99

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

