

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010342.D
 Acq On : 09 May 2019 17:48
 Operator : SY/VA
 Sample : VW0509SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0509SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 10:07:53 AM

Quant Time: May 10 03:17:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:55:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1446088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2375613	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	2176268	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1100080	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	819324	53.29	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.58%		
35) Dibromofluoromethane	7.88	113	714125	51.37	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.74%		
50) Toluene-d8	10.32	98	2857024	50.47	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.94%		
62) 4-Bromofluorobenzene	12.62	95	1045933	52.49	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.98%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	193319	17.695	ug/l	98
3) Chloromethane	2.21	50	265287	17.921	ug/l	95
4) Vinyl Chloride	2.37	62	343784	18.687	ug/l	98
5) Bromomethane	2.78	94	200924	18.940	ug/l	97
6) Chloroethane	2.92	64	204726	19.243	ug/l	95
7) Trichlorofluoromethane	3.25	101	149037	16.183	ug/l	98
8) Diethyl Ether	3.67	74	174780	21.588	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	288874	19.143	ug/l	98
10) Methyl Iodide	4.26	142	419854	19.647	ug/l	94
11) Tert butyl alcohol	5.18	59	107029	98.579	ug/l	100
12) 1,1-Dichloroethene	4.03	96	302939	19.212	ug/l	97
13) Acrolein	3.89	56	122309	85.326	ug/l	94
14) Allyl chloride	4.66	41	457917	19.454	ug/l	91
15) Acrylonitrile	5.36	53	411493	91.699	ug/l	98
16) Acetone	4.12	43	372275	92.886	ug/l	93
17) Carbon Disulfide	4.38	76	889515	18.652	ug/l	99
18) Methyl Acetate	4.67	43	186911	18.828	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	416994	22.214	ug/l	98
20) Methylene Chloride	4.92	84	341296	20.417	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	338533	19.945	ug/l	94
22) Diisopropyl ether	6.31	45	1070251	23.428	ug/l	94
23) Vinyl Acetate	6.25	43	3398091	108.332	ug/l	96
24) 1,1-Dichloroethane	6.21	63	643114	20.910	ug/l	99
25) 2-Butanone	7.17	43	583494	95.167	ug/l	99
26) 2,2-Dichloropropane	7.17	77	306797	20.049	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	365443	20.936	ug/l	97
28) Bromochloromethane	7.51	49	284038	25.050	ug/l	98
29) Tetrahydrofuran	7.53	42	377580	95.211	ug/l	97
30) Chloroform	7.67	83	613023	21.298	ug/l	100
31) Cyclohexane	7.95	56	615215	19.536	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	446887	20.044	ug/l	100
36) 1,1-Dichloropropene	8.08	75	500154	19.417	ug/l	100
37) Ethyl Acetate	7.25	43	255691	18.644	ug/l	97
38) Carbon Tetrachloride	8.07	117	424517	19.226	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	594611	18.870	ug/l	97
40) Benzene	8.32	78	1433027	20.314	ug/l	99
41) Methacrylonitrile	7.49	41	141299	18.371	ug/l	94
42) 1,2-Dichloroethane	8.40	62	432389	21.414	ug/l	97
43) Isopropyl Acetate	8.43	43	452852	19.910	ug/l	97
44) Trichloroethene	9.09	130	349076	19.766	ug/l	95
45) 1,2-Dichloropropane	9.37	63	376794	21.488	ug/l	96
46) Dibromomethane	9.46	93	188274	20.784	ug/l	98
47) Bromodichloromethane	9.64	83	456667	21.016	ug/l	97
48) Methyl methacrylate	9.44	41	212638	19.772	ug/l	87
49) 1,4-Dioxane	9.45	88	63229	400.248	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	1288773	98.815	ug/l	95
52) Toluene	10.38	92	909954	21.104	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	465848	21.165	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	553721	21.242	ug/l	90
55) 1,1,2-Trichloroethane	10.79	97	267984	20.828	ug/l	97
56) Ethyl methacrylate	10.65	69	355822	20.943	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	486725	21.161	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	885516	108.856	ug/l	99
59) 2-Hexanone	10.97	43	889381	96.448	ug/l	94
60) Dibromochloromethane	11.13	129	287702	20.780	ug/l	98
61) 1,2-Dibromoethane	11.24	107	255491	20.686	ug/l	99
64) Tetrachloroethene	10.86	164	294363	19.352	ug/l	97
65) Chlorobenzene	11.66	112	925056	20.534	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	318553	20.921	ug/l	97
67) Ethyl Benzene	11.73	91	1710311	20.637	ug/l	98
68) m/p-Xylenes	11.84	106	1269897	41.242	ug/l	99
69) o-Xylene	12.16	106	575829	20.673	ug/l	99
70) Styrene	12.18	104	1026049	21.141	ug/l	99
71) Bromoform	12.35	173	167625	19.258	ug/l #	97
73) Isopropylbenzene	12.47	105	1577338	19.671	ug/l	100
74) N-amyl acetate	12.27	43	423346	20.436	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	345803	19.573	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	240853m	18.778	ug/l	
77) Bromobenzene	12.75	156	363617	20.083	ug/l	95
78) n-propylbenzene	12.80	91	1993567	20.130	ug/l	100
79) 2-Chlorotoluene	12.90	91	1133453	20.097	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1402535	20.748	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	103524	18.228	ug/l	93
82) 4-Chlorotoluene	12.99	91	1195719	20.235	ug/l	99
83) tert-Butylbenzene	13.21	119	1110172	19.689	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1449417	21.577	ug/l	99
85) sec-Butylbenzene	13.38	105	1644695	19.759	ug/l	100
86) p-Isopropyltoluene	13.50	119	1484373	20.085	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	772438	21.366	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	734897	20.483	ug/l	99
89) n-Butylbenzene	13.83	91	1468967	19.823	ug/l	98
90) Hexachloroethane	14.10	117	257179	18.762	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	685006	21.404	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	57373	18.033	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	491408	22.498	ug/l	99
94) Hexachlorobutadiene	15.24	225	270604	19.325	ug/l	99
95) Naphthalene	15.37	128	895049	20.242	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	414646	21.014	ug/l	99

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

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