

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010340.D
 Acq On : 09 May 2019 16:52
 Operator : SY/VA
 Sample : VW0509SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0509SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 10:07:46 AM

Quant Time: May 10 03:13:09 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	1446334	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2333439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	2115815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1051350	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	817038	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
35) Dibromofluoromethane	7.88	113	719828	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	
50) Toluene-d8	10.32	98	2916816	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
62) 4-Bromofluorobenzene	12.62	95	1047199	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	200002	18.289	ug/l	100
3) Chloromethane	2.21	50	273224	18.454	ug/l	100
4) Vinyl Chloride	2.37	62	343785	18.684	ug/l	98
5) Bromomethane	2.77	94	191676	18.065	ug/l	99
6) Chloroethane	2.92	64	203067	19.084	ug/l	98
7) Trichlorofluoromethane	3.25	101	162473	17.639	ug/l	98
8) Diethyl Ether	3.67	74	162199	20.031	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.05	101	283450	18.780	ug/l	98
10) Methyl Iodide	4.26	142	405036	18.950	ug/l	95
11) Tert butyl alcohol	5.18	59	100560	92.605	ug/l	99
12) 1,1-Dichloroethene	4.03	96	299093	18.964	ug/l	96
13) Acrolein	3.89	56	129637	90.422	ug/l	95
14) Allyl chloride	4.65	41	444691	18.889	ug/l	92
15) Acrylonitrile	5.36	53	397794	88.631	ug/l	98
16) Acetone	4.12	43	352807	88.014	ug/l	95
17) Carbon Disulfide	4.38	76	884119	18.535	ug/l	99
18) Methyl Acetate	4.67	43	176326	17.759	ug/l	93
19) Methyl tert-butyl Ether	5.42	73	387145	20.621	ug/l	97
20) Methylene Chloride	4.91	84	322379	19.282	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	324566	19.119	ug/l	94
22) Diisopropyl ether	6.31	45	983659	21.529	ug/l	97
23) Vinyl Acetate	6.25	43	3161316	100.766	ug/l	96
24) 1,1-Dichloroethane	6.21	63	600842	19.532	ug/l	98
25) 2-Butanone	7.17	43	558589	91.090	ug/l	97
26) 2,2-Dichloropropane	7.16	77	299034	19.538	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	345250	19.775	ug/l	96
28) Bromochloromethane	7.51	49	250862	22.120	ug/l	98
29) Tetrahydrofuran	7.53	42	362996	91.518	ug/l	95
30) Chloroform	7.67	83	578617	20.099	ug/l	99
31) Cyclohexane	7.95	56	605887	19.237	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	433115	19.423	ug/l	99
36) 1,1-Dichloropropene	8.08	75	484839	19.163	ug/l	99
37) Ethyl Acetate	7.25	43	242995	18.038	ug/l	97
38) Carbon Tetrachloride	8.06	117	412076	19.000	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	580750	18.764	ug/l	99
40) Benzene	8.32	78	1346708	19.436	ug/l	99
41) Methacrylonitrile	7.48	41	139506	18.466	ug/l	96
42) 1,2-Dichloroethane	8.40	62	400383	20.187	ug/l	97
43) Isopropyl Acetate	8.42	43	424133	18.984	ug/l	98
44) Trichloroethene	9.09	130	333365	19.218	ug/l	99
45) 1,2-Dichloropropane	9.37	63	342498	19.886	ug/l	99
46) Dibromomethane	9.46	93	173142	19.459	ug/l	99
47) Bromodichloromethane	9.64	83	419499	19.654	ug/l	98
48) Methyl methacrylate	9.43	41	202752	19.193	ug/l #	87
49) 1,4-Dioxane	9.45	88	57845	372.785	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	1218760	95.136	ug/l	94
52) Toluene	10.38	92	836184	19.744	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	425966	19.703	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	506165	19.769	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	247583	19.591	ug/l	99
56) Ethyl methacrylate	10.65	69	325409	19.499	ug/l #	90
57) 1,3-Dichloropropane	10.93	76	450201	19.927	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	902024	112.890	ug/l	100
59) 2-Hexanone	10.97	43	848266	93.652	ug/l	92
60) Dibromochloromethane	11.13	129	264596	19.457	ug/l	99
61) 1,2-Dibromoethane	11.24	107	235141	19.382	ug/l	97
64) Tetrachloroethene	10.86	164	278960	18.864	ug/l	98
65) Chlorobenzene	11.66	112	852813	19.471	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	289101	19.529	ug/l	98
67) Ethyl Benzene	11.73	91	1590702	19.742	ug/l	100
68) m/p-Xylenes	11.84	106	1194734	39.909	ug/l	99
69) o-Xylene	12.17	106	539438	19.920	ug/l	98
70) Styrene	12.18	104	945707	20.042	ug/l	99
71) Bromoform	12.35	173	157317	18.590	ug/l #	99
73) Isopropylbenzene	12.46	105	1513557	19.751	ug/l	100
74) N-amyl acetate	12.27	43	388552	19.626	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	317352	18.795	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	224010m	18.275	ug/l	
77) Bromobenzene	12.75	156	337901	19.528	ug/l	96
78) n-propylbenzene	12.80	91	1883049	19.895	ug/l	99
79) 2-Chlorotoluene	12.90	91	1057651	19.622	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1299550	20.115	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	96919	17.856	ug/l	92
82) 4-Chlorotoluene	12.99	91	1120963	19.849	ug/l	100
83) tert-Butylbenzene	13.21	119	1052052	19.523	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1313852	20.465	ug/l	100
85) sec-Butylbenzene	13.38	105	1582424	19.892	ug/l	99
86) p-Isopropyltoluene	13.50	119	1420573	20.113	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	686643	19.873	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	678828	19.797	ug/l	99
89) n-Butylbenzene	13.83	91	1409143	19.897	ug/l	99
90) Hexachloroethane	14.10	117	249640	19.056	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	607340	19.857	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	53876	17.719	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	422747	20.252	ug/l	100
94) Hexachlorobutadiene	15.24	225	269060	20.106	ug/l	97
95) Naphthalene	15.37	128	810497	19.368	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	374367	19.852	ug/l	100

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

