

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010719\
 Data File : VW008065.D
 Acq On : 07 Jan 2019 13:15
 Operator : SY/AP
 Sample : VW0107SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0107SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 11:53:38 AM

Quant Time: Jan 08 03:58:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	71313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	116730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	96570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	50233	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	38360	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	7.88	113	33855	46.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.02%	
50) Toluene-d8	10.32	98	131853	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
62) 4-Bromofluorobenzene	12.62	95	47139	44.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	12418m	18.975	ug/l	
3) Chloromethane	2.21	50	9172	18.892	ug/l	97
4) Vinyl Chloride	2.37	62	13564	21.632	ug/l	92
5) Bromomethane	2.78	94	8219	20.632	ug/l	87
6) Chloroethane	2.93	64	7143	22.288	ug/l	98
7) Trichlorofluoromethane	3.26	101	13306	21.140	ug/l	91
8) Diethyl Ether	3.68	74	6754	20.892	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15353	20.526	ug/l	98
10) Methyl Iodide	4.26	142	24634	20.471	ug/l	98
11) Tert butyl alcohol	5.21	59	4765	92.986	ug/l #	90
12) 1,1-Dichloroethene	4.03	96	14999	20.949	ug/l	92
13) Acrolein	3.89	56	3468	99.884	ug/l	97
14) Allyl chloride	4.67	41	20479	21.113	ug/l	98
15) Acrylonitrile	5.37	53	13128	110.408	ug/l	97
16) Acetone	4.14	43	14315	117.242	ug/l	92
17) Carbon Disulfide	4.38	76	43988	20.113	ug/l	100
18) Methyl Acetate	4.68	43	6893	21.769	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	24828	22.035	ug/l	97
20) Methylene Chloride	4.92	84	15551	19.188	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	16150	20.732	ug/l	99
22) Diisopropyl ether	6.31	45	37857	21.744	ug/l #	96
23) Vinyl Acetate	6.26	43	108727	111.618	ug/l	99
24) 1,1-Dichloroethane	6.22	63	26941	20.827	ug/l	96
25) 2-Butanone	7.18	43	16366	113.766	ug/l	96
26) 2,2-Dichloropropane	7.17	77	22539	21.148	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	17337	20.893	ug/l	98
28) Bromochloromethane	7.52	49	8888	21.377	ug/l	99
29) Tetrahydrofuran	7.54	42	9520	106.539	ug/l	99
30) Chloroform	7.68	83	30018	20.705	ug/l	99
31) Cyclohexane	7.95	56	24749	20.527	ug/l #	92
32) 1,1,1-Trichloroethane	7.87	97	28979	20.890	ug/l	98
36) 1,1-Dichloropropene	8.09	75	23950	20.799	ug/l	99
37) Ethyl Acetate	7.26	43	7541	21.802	ug/l	100
38) Carbon Tetrachloride	8.07	117	27891	20.211	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	29274	20.395	ug/l	97
40) Benzene	8.33	78	61527	20.254	ug/l	99
41) Methacrylonitrile	7.49	41	4674	22.983	ug/l	95
42) 1,2-Dichloroethane	8.40	62	20533	20.287	ug/l	99
43) Isopropyl Acetate	8.43	43	15431	22.328	ug/l	99
44) Trichloroethene	9.09	130	18160	20.258	ug/l	99
45) 1,2-Dichloropropane	9.37	63	13558	20.620	ug/l	95
46) Dibromomethane	9.46	93	8104	21.081	ug/l	98
47) Bromodichloromethane	9.65	83	22432	20.833	ug/l	99
48) Methyl methacrylate	9.44	41	7599	21.807	ug/l	97
49) 1,4-Dioxane	9.46	88	2155	378.800	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	35973	112.449	ug/l	99
52) Toluene	10.39	92	41536	20.712	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	21454	20.721	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	24092	20.852	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	10818	20.784	ug/l	97
56) Ethyl methacrylate	10.65	69	12755	21.676	ug/l	98
57) 1,3-Dichloropropane	10.93	76	17801	20.127	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	32223	115.467	ug/l	96
59) 2-Hexanone	10.97	43	25341	114.744	ug/l	98
60) Dibromochloromethane	11.13	129	14147	19.856	ug/l	100
61) 1,2-Dibromoethane	11.24	107	10214	19.609	ug/l	98
64) Tetrachloroethene	10.87	164	14759	22.125	ug/l	93
65) Chlorobenzene	11.66	112	42876	20.774	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	15669	20.964	ug/l	100
67) Ethyl Benzene	11.73	91	78828	21.518	ug/l	97
68) m/p-Xylenes	11.84	106	58836	41.542	ug/l	94
69) o-Xylene	12.17	106	28114	21.333	ug/l	89
70) Styrene	12.18	104	43886	20.431	ug/l	99
71) Bromoform	12.35	173	7432	21.463	ug/l #	98
73) Isopropylbenzene	12.47	105	78893	19.751	ug/l	98
74) N-amyl acetate	12.27	43	13343	21.460	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	10349	20.362	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	6623m	16.573	ug/l	
77) Bromobenzene	12.75	156	17081	19.895	ug/l	96
78) n-propylbenzene	12.80	91	96229	20.778	ug/l	98
79) 2-Chlorotoluene	12.90	91	53918	20.144	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	72561	21.104	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	3333	19.723	ug/l	93
82) 4-Chlorotoluene	12.99	91	56633	19.898	ug/l	99
83) tert-Butylbenzene	13.21	119	62696	20.842	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	69693	20.012	ug/l	97
85) sec-Butylbenzene	13.39	105	78661	19.009	ug/l	93
86) p-Isopropyltoluene	13.51	119	74434	19.942	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	34702	20.032	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	33711	19.656	ug/l	98
89) n-Butylbenzene	13.83	91	65852	19.288	ug/l	99
90) Hexachloroethane	14.10	117	13095	20.219	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	30140	19.799	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2120	20.552	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	20997	19.639	ug/l	98
94) Hexachlorobutadiene	15.24	225	12174	19.721	ug/l	98
95) Naphthalene	15.38	128	37173	20.415	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	17518	19.913	ug/l	99

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

