

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121618\
 Data File : VW007475.D
 Acq On : 13 Dec 2018 09:34
 Operator : SY/AP
 Sample : VW1216SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 12:18:09 PM

Quant Time: Dec 13 11:38:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	83570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	143581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	128647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	64402	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	44645	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
35) Dibromofluoromethane	7.88	113	41435	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
50) Toluene-d8	10.32	98	161495	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.62	95	59887	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	11705	20.043	ug/l	99
3) Chloromethane	2.21	50	9552	19.530	ug/l	97
4) Vinyl Chloride	2.37	62	11825	20.602	ug/l	92
5) Bromomethane	2.78	94	8099	21.001	ug/l	85
6) Chloroethane	2.92	64	6546	20.718	ug/l	91
7) Trichlorofluoromethane	3.26	101	9290	18.003	ug/l	97
8) Diethyl Ether	3.68	74	8134	20.140	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16611	19.509	ug/l	97
10) Methyl Iodide	4.26	142	27828	19.733	ug/l	99
11) Tert butyl alcohol	5.17	59	6498	102.049	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	15755	19.218	ug/l	98
13) Acrolein	3.89	56	2866	68.022	ug/l	97
14) Allyl chloride	4.66	41	23351	19.324	ug/l	99
15) Acrylonitrile	5.37	53	17253	101.333	ug/l	97
16) Acetone	4.11	43	13988	86.375	ug/l	89
17) Carbon Disulfide	4.37	76	47207	18.992	ug/l	97
18) Methyl Acetate	4.67	43	9269	21.088	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	25498	20.618	ug/l	97
20) Methylene Chloride	4.90	84	19215	19.291	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	18381	20.043	ug/l	99
22) Diisopropyl ether	6.31	45	46545	20.039	ug/l	95
23) Vinyl Acetate	6.25	43	124760	96.030	ug/l	99
24) 1,1-Dichloroethane	6.21	63	31608	20.135	ug/l	99
25) 2-Butanone	7.17	43	19979	94.500	ug/l	95
26) 2,2-Dichloropropane	7.17	77	19045	18.331	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	20241	20.157	ug/l	100
28) Bromochloromethane	7.51	49	11857	20.080	ug/l	96
29) Tetrahydrofuran	7.52	42	13242	98.938	ug/l	95
30) Chloroform	7.67	83	34256	20.052	ug/l	97
31) Cyclohexane	7.95	56	26625	18.486	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	29497	19.689	ug/l	99
36) 1,1-Dichloropropene	8.08	75	25332	19.340	ug/l	97
37) Ethyl Acetate	7.26	43	9569	19.642	ug/l	97
38) Carbon Tetrachloride	8.07	117	27387	19.217	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	30273	19.087	ug/l	95
40) Benzene	8.32	78	72095	19.834	ug/l	98
41) Methacrylonitrile	7.48	41	5668	20.431	ug/l	99
42) 1,2-Dichloroethane	8.40	62	22480	19.688	ug/l	99
43) Isopropyl Acetate	8.43	43	19108	19.857	ug/l	98
44) Trichloroethene	9.09	130	20577	19.824	ug/l	100
45) 1,2-Dichloropropane	9.37	63	17132	20.367	ug/l	99
46) Dibromomethane	9.46	93	9603	20.103	ug/l	98
47) Bromodichloromethane	9.65	83	25473	20.330	ug/l	98
48) Methyl methacrylate	9.43	41	9407	19.034	ug/l	96
49) 1,4-Dioxane	9.44	88	3256	420.089	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	44957	98.876	ug/l	96
52) Toluene	10.39	92	48107	20.451	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	24226	19.916	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	27650	19.663	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	13357	20.545	ug/l	96
56) Ethyl methacrylate	10.65	69	15856	20.291	ug/l	99
57) 1,3-Dichloropropane	10.93	76	22981	21.536	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	35001	97.130	ug/l	99
59) 2-Hexanone	10.97	43	30225	99.693	ug/l	96
60) Dibromochloromethane	11.13	129	17327	21.119	ug/l	98
61) 1,2-Dibromoethane	11.24	107	13460	20.950	ug/l	95
64) Tetrachloroethene	10.87	164	18183	19.654	ug/l	93
65) Chlorobenzene	11.66	112	53687	20.022	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	19378	20.519	ug/l	99
67) Ethyl Benzene	11.73	91	93860	20.360	ug/l	93
68) m/p-Xylenes	11.84	106	72461	40.431	ug/l	99
69) o-Xylene	12.17	106	34652	20.703	ug/l	99
70) Styrene	12.18	104	58443	21.617	ug/l	97
71) Bromoform	12.35	173	9382	19.409	ug/l #	95
73) Isopropylbenzene	12.47	105	96260	19.507	ug/l	99
74) N-amyl acetate	12.27	43	17621	19.648	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	14970	20.482	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	8755m	16.487	ug/l	
77) Bromobenzene	12.75	156	21935	20.053	ug/l	96
78) n-propylbenzene	12.81	91	112362	20.232	ug/l	99
79) 2-Chlorotoluene	12.90	91	65841	19.593	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	83201	20.066	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	4368	18.171	ug/l	97
82) 4-Chlorotoluene	12.99	91	70326	19.854	ug/l	98
83) tert-Butylbenzene	13.21	119	72806	19.928	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	83986	19.683	ug/l	99
85) sec-Butylbenzene	13.39	105	99526	19.955	ug/l	95
86) p-Isopropyltoluene	13.50	119	90236	20.139	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	43474	19.934	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	43417	19.802	ug/l	98
89) n-Butylbenzene	13.83	91	80218	19.312	ug/l	99
90) Hexachloroethane	14.10	117	15604	19.572	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	38943	19.937	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2743	18.701	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	25760	19.163	ug/l	97
94) Hexachlorobutadiene	15.24	225	13167	18.461	ug/l	99
95) Naphthalene	15.37	128	50183	19.514	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	22138	18.958	ug/l	94

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

