

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122018\
 Data File : VW007677.D
 Acq On : 19 Dec 2018 01:31
 Operator : SY/AP
 Sample : VW1220SBS02
 Misc : 4.77G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1220SBS02

Manual Integrations
 APPROVED

apatel
 12/19/2018 12:15:42 PM

Quant Time: Dec 19 05:55:46 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	58541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	95066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	86705	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	44610	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	34691	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
35) Dibromofluoromethane	7.88	113	30886	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
50) Toluene-d8	10.32	98	112868	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
62) 4-Bromofluorobenzene	12.62	95	44698	56.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	8236	20.133	ug/l	89
3) Chloromethane	2.21	50	6867	20.043	ug/l	98
4) Vinyl Chloride	2.37	62	8535	21.228	ug/l	95
5) Bromomethane	2.78	94	6231	23.066	ug/l	93
6) Chloroethane	2.92	64	4900	22.139	ug/l	94
7) Trichlorofluoromethane	3.26	101	8015	22.173	ug/l	93
8) Diethyl Ether	3.68	74	6088	21.518	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.07	101	12979	21.760	ug/l	96
10) Methyl Iodide	4.26	142	22110	22.382	ug/l	94
11) Tert butyl alcohol	5.17	59	4692	105.191	ug/l	98
12) 1,1-Dichloroethene	4.03	96	12605	21.950	ug/l	96
13) Acrolein	3.89	56	2717	92.056	ug/l	100
14) Allyl chloride	4.66	41	17170	20.284	ug/l	95
15) Acrylonitrile	5.37	53	11846	99.323	ug/l	98
16) Acetone	4.12	43	10915	96.216	ug/l	93
17) Carbon Disulfide	4.37	76	37102	21.308	ug/l	96
18) Methyl Acetate	4.67	43	6338	20.585	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	19558	22.576	ug/l	100
20) Methylene Chloride	4.91	84	14303	20.765	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	14054	21.877	ug/l	94
22) Diisopropyl ether	6.31	45	33574	20.635	ug/l	94
23) Vinyl Acetate	6.26	43	91539	100.584	ug/l	95
24) 1,1-Dichloroethane	6.21	63	24201	22.007	ug/l	99
25) 2-Butanone	7.17	43	14417	97.347	ug/l	93
26) 2,2-Dichloropropane	7.17	77	16071	22.082	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	15842	22.522	ug/l	98
28) Bromochloromethane	7.51	49	8299	20.064	ug/l	90
29) Tetrahydrofuran	7.52	42	9168	97.785	ug/l	94
30) Chloroform	7.68	83	27121	22.663	ug/l	100
31) Cyclohexane	7.95	56	19877	19.701	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	24595	23.436	ug/l	99
36) 1,1-Dichloropropene	8.09	75	19936	22.988	ug/l	100
37) Ethyl Acetate	7.26	43	6776	21.007	ug/l	98
38) Carbon Tetrachloride	8.07	117	23086	24.466	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	23113	22.010	ug/l	90
40) Benzene	8.32	78	55367	23.005	ug/l	99
41) Methacrylonitrile	7.48	41	4579	24.929	ug/l	91
42) 1,2-Dichloroethane	8.40	62	18337	24.255	ug/l	100
43) Isopropyl Acetate	8.43	43	13199	20.716	ug/l	95
44) Trichloroethene	9.09	130	16470	23.965	ug/l	97
45) 1,2-Dichloropropane	9.37	63	12686	22.778	ug/l	94
46) Dibromomethane	9.46	93	7249	22.920	ug/l	97
47) Bromodichloromethane	9.65	83	19657	23.694	ug/l	99
48) Methyl methacrylate	9.44	41	6887	21.047	ug/l	95
49) 1,4-Dioxane	9.45	88	2496	486.378	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	31209	103.668	ug/l	99
52) Toluene	10.39	92	37080	23.808	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	19015	23.609	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	21337	22.917	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	10591	24.604	ug/l	97
56) Ethyl methacrylate	10.65	69	11684	22.583	ug/l	99
57) 1,3-Dichloropropane	10.93	76	17537	24.821	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	27016	113.231	ug/l	98
59) 2-Hexanone	10.97	43	21249	105.854	ug/l	98
60) Dibromochloromethane	11.13	129	13524	24.895	ug/l	96
61) 1,2-Dibromoethane	11.24	107	10266	24.133	ug/l	95
64) Tetrachloroethene	10.87	164	14351	23.016	ug/l	91
65) Chlorobenzene	11.66	112	41901	23.185	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	15407	24.206	ug/l	99
67) Ethyl Benzene	11.73	91	72525	23.342	ug/l	90
68) m/p-Xylenes	11.84	106	57131	47.298	ug/l	99
69) o-Xylene	12.17	106	26956	23.895	ug/l	99
70) Styrene	12.18	104	44356	24.343	ug/l	98
71) Bromoform	12.35	173	7409	22.742	ug/l #	99
73) Isopropylbenzene	12.47	105	74902	21.913	ug/l	99
74) N-amyl acetate	12.27	43	12563	20.223	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	10873	21.477	ug/l	90
76) 1,2,3-Trichloropropane	12.77	75	7061m	19.197	ug/l	
77) Bromobenzene	12.75	156	17319	22.858	ug/l	98
78) n-propylbenzene	12.81	91	87000	22.616	ug/l	100
79) 2-Chlorotoluene	12.90	91	51655	22.192	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	66855	23.277	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	3540	21.260	ug/l	92
82) 4-Chlorotoluene	12.99	91	54385	22.166	ug/l	95
83) tert-Butylbenzene	13.21	119	58074	22.947	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	66522	22.507	ug/l	100
85) sec-Butylbenzene	13.39	105	78785	22.805	ug/l	96
86) p-Isopropyltoluene	13.51	119	71033	22.887	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	35028	23.187	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	34615	22.792	ug/l	98
89) n-Butylbenzene	13.83	91	64807	22.524	ug/l	99
90) Hexachloroethane	14.10	117	12768	23.121	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	31604	23.358	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2136	21.024	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	20650	22.177	ug/l	97
94) Hexachlorobutadiene	15.24	225	11448	23.172	ug/l	97
95) Naphthalene	15.38	128	38128	21.404	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	18362	22.701	ug/l	96

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

