

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121918\
 Data File : VW007625.D
 Acq On : 17 Dec 2018 12:31
 Operator : SY/AP
 Sample : VW1219SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1219SBS01

Manual Integrations
 APPROVED

sam
 12/27/2018 8:23:19 AM

Quant Time: Dec 18 07:23:17 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	79817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	126576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	111266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	56749	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	39030	44.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.16%	
35) Dibromofluoromethane	7.88	113	37225	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
50) Toluene-d8	10.32	98	143179	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.62	95	54243	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	13112	23.508	ug/l	100
3) Chloromethane	2.21	50	9687	20.737	ug/l	98
4) Vinyl Chloride	2.37	62	13056	23.816	ug/l	98
5) Bromomethane	2.78	94	8099	21.989	ug/l	99
6) Chloroethane	2.93	64	6464	21.421	ug/l	94
7) Trichlorofluoromethane	3.26	101	12545	25.454	ug/l	97
8) Diethyl Ether	3.68	74	8080	20.947	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	18034	22.176	ug/l	98
10) Methyl Iodide	4.26	142	28537	21.188	ug/l	98
11) Tert butyl alcohol	5.17	59	5768	94.844	ug/l	99
12) 1,1-Dichloroethene	4.03	96	17966	22.946	ug/l	97
13) Acrolein	3.89	56	3796	94.331	ug/l	98
14) Allyl chloride	4.67	41	24537	21.260	ug/l	97
15) Acrylonitrile	5.36	53	15617	96.037	ug/l	98
16) Acetone	4.12	43	17273	111.675	ug/l	99
17) Carbon Disulfide	4.37	76	53250	22.430	ug/l	96
18) Methyl Acetate	4.67	43	8260	19.676	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	24125	20.425	ug/l	98
20) Methylene Chloride	4.91	84	19877	21.247	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	18942	21.626	ug/l	95
22) Diisopropyl ether	6.31	45	45807	20.649	ug/l	95
23) Vinyl Acetate	6.25	43	123876	99.833	ug/l	97
24) 1,1-Dichloroethane	6.21	63	31364	20.919	ug/l	97
25) 2-Butanone	7.17	43	19115	94.664	ug/l	99
26) 2,2-Dichloropropane	7.17	77	24095	24.282	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	19947	20.799	ug/l	98
28) Bromochloromethane	7.51	49	10586	18.771	ug/l	99
29) Tetrahydrofuran	7.53	42	11620	90.901	ug/l	96
30) Chloroform	7.68	83	33710	20.660	ug/l	99
31) Cyclohexane	7.95	56	29344	21.331	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	31694	22.151	ug/l	98
36) 1,1-Dichloropropene	8.08	75	27754	24.036	ug/l	97
37) Ethyl Acetate	7.26	43	8120	18.907	ug/l	98
38) Carbon Tetrachloride	8.07	117	30869	24.570	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	34776	24.872	ug/l	95
40) Benzene	8.32	78	72257	22.549	ug/l	99
41) Methacrylonitrile	7.48	41	4369	17.865	ug/l #	83
42) 1,2-Dichloroethane	8.40	62	22191	22.046	ug/l	99
43) Isopropyl Acetate	8.43	43	17193	20.267	ug/l	97
44) Trichloroethene	9.09	130	21328	23.308	ug/l	100
45) 1,2-Dichloropropane	9.37	63	16280	21.954	ug/l	99
46) Dibromomethane	9.46	93	9394	22.308	ug/l	96
47) Bromodichloromethane	9.64	83	25533	23.116	ug/l	96
48) Methyl methacrylate	9.44	41	8343	19.149	ug/l	94
49) 1,4-Dioxane	9.45	88	2975	435.401	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	40166	100.207	ug/l	96
52) Toluene	10.39	92	48120	23.205	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	24380	22.735	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	28133	22.694	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	12571	21.934	ug/l	97
56) Ethyl methacrylate	10.65	69	14511	21.065	ug/l	97
57) 1,3-Dichloropropane	10.93	76	21643	23.007	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	33430	105.233	ug/l	100
59) 2-Hexanone	10.97	43	28362	106.116	ug/l	98
60) Dibromochloromethane	11.13	129	16552	22.884	ug/l	98
61) 1,2-Dibromoethane	11.24	107	12301	21.718	ug/l	98
64) Tetrachloroethene	10.86	164	16735	20.915	ug/l	90
65) Chlorobenzene	11.66	112	53025	22.864	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	19034	23.303	ug/l	99
67) Ethyl Benzene	11.73	91	95404	23.927	ug/l	94
68) m/p-Xylenes	11.84	106	72894	47.026	ug/l	98
69) o-Xylene	12.17	106	34263	23.668	ug/l	97
70) Styrene	12.18	104	56460	24.146	ug/l	97
71) Bromoform	12.35	173	9277	22.190	ug/l #	96
73) Isopropylbenzene	12.47	105	99526	22.888	ug/l	100
74) N-amyl acetate	12.27	43	15938	20.168	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	13751	21.351	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	8471m	18.104	ug/l	
77) Bromobenzene	12.75	156	21811	22.629	ug/l	98
78) n-propylbenzene	12.81	91	116660	23.839	ug/l	99
79) 2-Chlorotoluene	12.90	91	65185	22.014	ug/l	96
80) 1,3,5-Trimethylbenzene	12.95	105	85121	23.297	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4554	21.499	ug/l	92
82) 4-Chlorotoluene	12.99	91	70904	22.717	ug/l	100
83) tert-Butylbenzene	13.21	119	75677	23.507	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	85792	22.818	ug/l	98
85) sec-Butylbenzene	13.39	105	105200	23.937	ug/l	95
86) p-Isopropyltoluene	13.51	119	94420	23.915	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	42919	22.334	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	42401	21.947	ug/l	98
89) n-Butylbenzene	13.83	91	86938	23.752	ug/l	98
90) Hexachloroethane	14.10	117	16459	23.429	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	38029	22.094	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2692	20.829	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	25906	21.870	ug/l	96
94) Hexachlorobutadiene	15.24	225	14105	22.443	ug/l	100
95) Naphthalene	15.38	128	44843	19.789	ug/l	96
96) 1,2,3-Trichlorobenzene	15.57	180	21414	20.811	ug/l	98

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

