

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011119\
 Data File : VW008194.D
 Acq On : 11 Jan 2019 15:21
 Operator : SY/VA
 Sample : VW0111SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0111SBS01

Manual Integrations
 APPROVED

apatel
 1/14/2019 2:41:48 PM

Quant Time: Jan 12 00:30:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	101894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	173181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	155690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	78013	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	53661	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
35) Dibromofluoromethane	7.88	113	53726	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	
50) Toluene-d8	10.32	98	225190	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.62	95	77183	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	14092	16.946	ug/l	86
3) Chloromethane	2.21	50	19909	18.454	ug/l	97
4) Vinyl Chloride	2.37	62	26506	18.824	ug/l	91
5) Bromomethane	2.78	94	22230	21.075	ug/l	97
6) Chloroethane	2.92	64	17803	16.802	ug/l	94
7) Trichlorofluoromethane	3.26	101	19286	16.847	ug/l	94
8) Diethyl Ether	3.67	74	11555	17.855	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	22860	20.114	ug/l	98
10) Methyl Iodide	4.26	142	32091	19.374	ug/l	99
11) Tert butyl alcohol	5.21	59	6334	70.788	ug/l #	100
12) 1,1-Dichloroethene	4.04	96	22060	19.770	ug/l	86
13) Acrolein	3.90	56	5443	70.315	ug/l	95
14) Allyl chloride	4.67	41	38410	18.959	ug/l	98
15) Acrylonitrile	5.37	53	21956	89.115	ug/l	99
16) Acetone	4.13	43	23249	100.275	ug/l	98
17) Carbon Disulfide	4.37	76	65646	18.832	ug/l	100
18) Methyl Acetate	4.67	43	12433	17.177	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	31210	17.204	ug/l #	88
20) Methylene Chloride	4.90	84	27595	21.758	ug/l	88
21) trans-1,2-Dichloroethene	5.42	96	23530	19.404	ug/l	92
22) Diisopropyl ether	6.31	45	72300	18.712	ug/l	97
23) Vinyl Acetate	6.25	43	183594	90.473	ug/l	97
24) 1,1-Dichloroethane	6.21	63	42629	18.935	ug/l	94
25) 2-Butanone	7.17	43	28748	90.223	ug/l	90
26) 2,2-Dichloropropane	7.16	77	28490	18.677	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	25428	19.220	ug/l	97
28) Bromochloromethane	7.51	49	18105	20.332	ug/l	98
29) Tetrahydrofuran	7.52	42	17624	82.804	ug/l	96
30) Chloroform	7.68	83	42484	19.826	ug/l	95
31) Cyclohexane	7.95	56	42560	17.659	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	35571	19.077	ug/l	96
36) 1,1-Dichloropropene	8.08	75	35101	19.676	ug/l	99
37) Ethyl Acetate	7.26	43	12631	17.673	ug/l	96
38) Carbon Tetrachloride	8.06	117	31980	19.586	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	42651	18.855	ug/l	96
40) Benzene	8.32	78	96728	19.991	ug/l	98
41) Methacrylonitrile	7.48	41	8376	18.553	ug/l	92
42) 1,2-Dichloroethane	8.40	62	25789	18.950	ug/l	98
43) Isopropyl Acetate	8.43	43	25082	17.553	ug/l	99
44) Trichloroethene	9.09	130	25119	20.280	ug/l	94
45) 1,2-Dichloropropane	9.37	63	23889	19.912	ug/l #	86
46) Dibromomethane	9.46	93	11684	19.830	ug/l	97
47) Bromodichloromethane	9.65	83	30018	20.064	ug/l	98
48) Methyl methacrylate	9.43	41	11172	16.569	ug/l	91
49) 1,4-Dioxane	9.46	88	3481	367.369	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	60609	87.624	ug/l	100
52) Toluene	10.39	92	60759	19.663	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	29088	18.691	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	35148	19.046	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	16201	19.584	ug/l	98
56) Ethyl methacrylate	10.65	69	18712	18.265	ug/l	98
57) 1,3-Dichloropropane	10.93	76	28584	18.893	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	53342	100.800	ug/l	100
59) 2-Hexanone	10.97	43	44249	94.598	ug/l	96
60) Dibromochloromethane	11.13	129	18614	20.491	ug/l	98
61) 1,2-Dibromoethane	11.24	107	15112	19.252	ug/l	99
64) Tetrachloroethene	10.86	164	20911	20.638	ug/l	91
65) Chlorobenzene	11.66	112	66820	20.258	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	22017	20.523	ug/l	99
67) Ethyl Benzene	11.73	91	117375	19.448	ug/l	96
68) m/p-Xylenes	11.84	106	91654	39.788	ug/l	99
69) o-Xylene	12.17	106	41522	19.465	ug/l	98
70) Styrene	12.18	104	68770	20.582	ug/l	98
71) Bromoform	12.35	173	10039	20.909	ug/l #	95
73) Isopropylbenzene	12.47	105	118844	19.404	ug/l	99
74) N-amyl acetate	12.27	43	22945	16.917	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	18175	18.539	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	13296m	18.696	ug/l	
77) Bromobenzene	12.75	156	24656	19.052	ug/l	94
78) n-propylbenzene	12.81	91	143798	19.161	ug/l	98
79) 2-Chlorotoluene	12.90	91	79447	18.975	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	99258	19.721	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	5464	17.892	ug/l	99
82) 4-Chlorotoluene	12.99	91	84973	19.270	ug/l	98
83) tert-Butylbenzene	13.21	119	85617	19.228	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	100036	19.271	ug/l	98
85) sec-Butylbenzene	13.39	105	127170	19.497	ug/l	99
86) p-Isopropyltoluene	13.51	119	109720	19.480	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	52006	19.810	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	52295	19.855	ug/l	99
89) n-Butylbenzene	13.83	91	108102	19.596	ug/l	99
90) Hexachloroethane	14.10	117	18768	19.728	ug/l	94
91) 1,2-Dichlorobenzene	13.88	146	46041	19.956	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2849	18.058	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	30208	19.721	ug/l	95
94) Hexachlorobutadiene	15.24	225	16452	20.067	ug/l	98
95) Naphthalene	15.38	128	49594	17.340	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	25262	19.346	ug/l	99

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

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