

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072419\
 Data File : VW011444.D
 Acq On : 23 Jul 2019 21:21
 Operator : SY/VA
 Sample : VW0724SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0724SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:10:48 PM

Quant Time: Jul 24 06:56:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	219228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	365693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	320917	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	155132	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	113714	41.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.56%	
35) Dibromofluoromethane	7.88	113	92638	42.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.00%	
50) Toluene-d8	10.32	98	371222	42.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.26%	
62) 4-Bromofluorobenzene	12.62	95	134284	41.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27939	17.088	ug/l	99
3) Chloromethane	2.21	50	44507	21.125	ug/l	99
4) Vinyl Chloride	2.36	62	52048	18.875	ug/l	97
5) Bromomethane	2.76	94	25811	18.628	ug/l	94
6) Chloroethane	2.91	64	27601	18.583	ug/l	97
7) Trichlorofluoromethane	3.25	101	19858	20.271	ug/l	99
8) Diethyl Ether	3.67	74	26870	19.824	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45015	19.184	ug/l	99
10) Methyl Iodide	4.27	142	60849	18.855	ug/l	99
11) Tert butyl alcohol	5.18	59	23569	115.564	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	45600	18.724	ug/l	92
13) Acrolein	3.89	56	11412	70.270	ug/l	98
14) Allyl chloride	4.67	41	93836	21.129	ug/l	98
15) Acrylonitrile	5.37	53	64982	94.135	ug/l	98
16) Acetone	4.12	43	59147	89.237	ug/l	99
17) Carbon Disulfide	4.38	76	130319	17.650	ug/l	100
18) Methyl Acetate	4.67	43	45836	23.571	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	74638	20.198	ug/l	97
20) Methylene Chloride	4.91	84	53856	20.597	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	50286	19.871	ug/l	95
22) Diisopropyl ether	6.31	45	197074	20.632	ug/l	99
23) Vinyl Acetate	6.25	43	529912	89.642	ug/l	100
24) 1,1-Dichloroethane	6.21	63	102764	20.488	ug/l	99
25) 2-Butanone	7.17	43	96898	93.132	ug/l	96
26) 2,2-Dichloropropane	7.16	77	57471	22.042	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	55676	20.396	ug/l	97
28) Bromochloromethane	7.51	49	45218	19.826	ug/l	99
29) Tetrahydrofuran	7.53	42	61596	90.287	ug/l	99
30) Chloroform	7.67	83	97466	20.982	ug/l	96
31) Cyclohexane	7.95	56	98572	18.473	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	72493	20.516	ug/l	97
36) 1,1-Dichloropropene	8.08	75	75394	19.360	ug/l	100
37) Ethyl Acetate	7.25	43	42983	18.370	ug/l	99
38) Carbon Tetrachloride	8.07	117	64194	19.445	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	86860	18.402	ug/l	99
40) Benzene	8.32	78	217975	20.254	ug/l	98
41) Methacrylonitrile	7.48	41	25375	18.962	ug/l	97
42) 1,2-Dichloroethane	8.40	62	68033	19.487	ug/l	99
43) Isopropyl Acetate	8.42	43	77912	17.637	ug/l	98
44) Trichloroethene	9.09	130	51385	19.841	ug/l	99
45) 1,2-Dichloropropane	9.37	63	58947	20.226	ug/l	96
46) Dibromomethane	9.46	93	26789	19.568	ug/l	98
47) Bromodichloromethane	9.64	83	69330	19.792	ug/l	98
48) Methyl methacrylate	9.43	41	37148	17.479	ug/l	96
49) 1,4-Dioxane	9.46	88	8243	360.718	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	204057	88.429	ug/l	99
52) Toluene	10.39	92	131400	20.127	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	68555	18.386	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	82787	18.863	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	37714	19.418	ug/l	95
56) Ethyl methacrylate	10.65	69	53432	18.070	ug/l	97
57) 1,3-Dichloropropane	10.93	76	70167	19.105	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	138618	101.119	ug/l	99
59) 2-Hexanone	10.97	43	137282	85.785	ug/l	99
60) Dibromochloromethane	11.13	129	40154	18.854	ug/l	100
61) 1,2-Dibromoethane	11.24	107	34824	18.929	ug/l	99
64) Tetrachloroethene	10.86	164	44419	20.512	ug/l	99
65) Chlorobenzene	11.66	112	130688	20.030	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	45900	19.980	ug/l	99
67) Ethyl Benzene	11.73	91	248976	19.933	ug/l	99
68) m/p-Xylenes	11.84	106	182309	40.338	ug/l	98
69) o-Xylene	12.16	106	84120	19.748	ug/l	98
70) Styrene	12.18	104	147712	20.093	ug/l	100
71) Bromoform	12.35	173	22422	18.357	ug/l #	99
73) Isopropylbenzene	12.46	105	236209	20.369	ug/l	100
74) N-amyl acetate	12.27	43	69049	17.096	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	44689	18.799	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	36915m	20.591	ug/l	
77) Bromobenzene	12.75	156	52017	19.987	ug/l	99
78) n-propylbenzene	12.80	91	285277	19.970	ug/l	100
79) 2-Chlorotoluene	12.89	91	166123	20.208	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	200187	20.319	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	12676	15.993	ug/l	99
82) 4-Chlorotoluene	12.99	91	177055	20.679	ug/l	100
83) tert-Butylbenzene	13.21	119	165981	20.201	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	200317	20.249	ug/l	99
85) sec-Butylbenzene	13.38	105	236468	19.945	ug/l	100
86) p-Isopropyltoluene	13.50	119	211910	19.928	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	102058	20.382	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	100927	20.017	ug/l	97
89) n-Butylbenzene	13.82	91	209167	19.718	ug/l	99
90) Hexachloroethane	14.09	117	37429	19.262	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	91240	20.085	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7182	17.033	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	59252	18.937	ug/l	99
94) Hexachlorobutadiene	15.24	225	37188	19.360	ug/l	99
95) Naphthalene	15.37	128	102423	17.083	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	51517	18.656	ug/l	99

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

