

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081919\
 Data File : VW011980.D
 Acq On : 19 Aug 2019 10:22
 Operator : SY/VA
 Sample : VW0819SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2019 9:56:31 AM

Quant Time: Aug 19 11:10:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	248603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	401949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	346806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	167949	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	146761	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
35) Dibromofluoromethane	7.88	113	123728	54.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.74%	
50) Toluene-d8	10.32	98	507374	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	
62) 4-Bromofluorobenzene	12.62	95	178596	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	28735	20.740	ug/l	94
3) Chloromethane	2.21	50	48936	20.369	ug/l	99
4) Vinyl Chloride	2.36	62	60718	20.992	ug/l	98
5) Bromomethane	2.78	94	30424	19.003	ug/l	99
6) Chloroethane	2.92	64	33398	20.214	ug/l	99
7) Trichlorofluoromethane	3.25	101	28753	22.243	ug/l	99
8) Diethyl Ether	3.68	74	27416	18.706	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50954	20.779	ug/l	100
10) Methyl Iodide	4.28	142	67978	19.617	ug/l	99
11) Tert butyl alcohol	5.17	59	17194	68.682	ug/l	98
12) 1,1-Dichloroethene	4.04	96	51356	19.836	ug/l	94
13) Acrolein	3.90	56	12698	61.993	ug/l	97
14) Allyl chloride	4.67	41	105242	19.111	ug/l	99
15) Acrylonitrile	5.37	53	67585	92.376	ug/l	99
16) Acetone	4.12	43	66382	73.103	ug/l	97
17) Carbon Disulfide	4.39	76	154303	19.042	ug/l	100
18) Methyl Acetate	4.67	43	37100	18.187	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	79965	19.463	ug/l	96
20) Methylene Chloride	4.92	84	57675	18.416	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	53767	19.262	ug/l	99
22) Diisopropyl ether	6.31	45	197348	19.008	ug/l	98
23) Vinyl Acetate	6.26	43	604389	92.645	ug/l	100
24) 1,1-Dichloroethane	6.21	63	107185	19.277	ug/l	99
25) 2-Butanone	7.17	43	97425	81.992	ug/l	96
26) 2,2-Dichloropropane	7.17	77	62402	18.248	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	59160	19.257	ug/l	97
28) Bromochloromethane	7.51	49	51604	20.909	ug/l	96
29) Tetrahydrofuran	7.53	42	60898	89.662	ug/l	98
30) Chloroform	7.68	83	97902	19.085	ug/l	100
31) Cyclohexane	7.95	56	105503	19.766	ug/l #	95
32) 1,1,1-Trichloroethane	7.87	97	78720	20.150	ug/l	99
36) 1,1-Dichloropropene	8.09	75	82931	19.842	ug/l	98
37) Ethyl Acetate	7.25	43	43263	17.992	ug/l	99
38) Carbon Tetrachloride	8.07	117	71888	20.092	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	94083	20.443	ug/l	98
40) Benzene	8.32	78	226699	19.364	ug/l	100
41) Methacrylonitrile	7.48	41	25747	17.912	ug/l	97
42) 1,2-Dichloroethane	8.40	62	68970	18.817	ug/l	99
43) Isopropyl Acetate	8.42	43	81270	18.378	ug/l	100
44) Trichloroethene	9.09	130	56504	20.081	ug/l	98
45) 1,2-Dichloropropane	9.37	63	61693	19.695	ug/l	97
46) Dibromomethane	9.46	93	27504	19.238	ug/l	99
47) Bromodichloromethane	9.65	83	70995	18.931	ug/l	98
48) Methyl methacrylate	9.43	41	39129	18.420	ug/l	97
49) 1,4-Dioxane	9.45	88	7922	382.684	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	206619	89.826	ug/l	99
52) Toluene	10.39	92	139485	19.729	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	73491	18.759	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	87418	18.767	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	38471	18.965	ug/l	99
56) Ethyl methacrylate	10.65	69	55453	18.681	ug/l	98
57) 1,3-Dichloropropane	10.93	76	73331	19.108	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	143154	106.216	ug/l	99
59) 2-Hexanone	10.97	43	145343	89.491	ug/l	98
60) Dibromochloromethane	11.13	129	42980	19.088	ug/l	99
61) 1,2-Dibromoethane	11.24	107	35669	18.581	ug/l	98
64) Tetrachloroethene	10.86	164	46109	20.420	ug/l	97
65) Chlorobenzene	11.66	112	137663	19.744	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	48424	19.939	ug/l	98
67) Ethyl Benzene	11.73	91	268099	20.189	ug/l	99
68) m/p-Xylenes	11.84	106	194017	40.175	ug/l	100
69) o-Xylene	12.16	106	90857	20.246	ug/l	100
70) Styrene	12.18	104	155856	20.087	ug/l	99
71) Bromoform	12.35	173	23879	19.284	ug/l #	97
73) Isopropylbenzene	12.46	105	255061	20.357	ug/l	99
74) N-amyl acetate	12.27	43	75029	19.127	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	46006	19.521	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	31936m	17.971	ug/l	
77) Bromobenzene	12.74	156	55507	20.043	ug/l	99
78) n-propylbenzene	12.80	91	312288	20.480	ug/l	100
79) 2-Chlorotoluene	12.89	91	174562	19.871	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	214663	20.439	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15156	19.655	ug/l	98
82) 4-Chlorotoluene	12.99	91	183159	19.872	ug/l	99
83) tert-Butylbenzene	13.21	119	183289	20.869	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	216971	20.508	ug/l	100
85) sec-Butylbenzene	13.38	105	263724	21.044	ug/l	100
86) p-Isopropyltoluene	13.50	119	234897	20.658	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	108301	19.944	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	106730	19.759	ug/l	99
89) n-Butylbenzene	13.82	91	232031	20.448	ug/l	99
90) Hexachloroethane	14.09	117	41055	20.419	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	94637	19.705	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7492	18.642	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	66370	19.608	ug/l	99
94) Hexachlorobutadiene	15.24	225	44315	20.994	ug/l	99
95) Naphthalene	15.36	128	112884	18.388	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	56579	19.070	ug/l	99

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

