

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012290.D
 Acq On : 29 Aug 2019 08:29
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 9:41:19 AM

Quant Time: Aug 29 08:52:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	203438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	339565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	133615	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	134619	55.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.32%	
35) Dibromofluoromethane	7.88	113	105838	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
50) Toluene-d8	10.32	98	425737	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	12.62	95	161918	55.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	57977	46.284	ug/l	98
3) Chloromethane	2.21	50	96795	49.876	ug/l	99
4) Vinyl Chloride	2.36	62	120060	50.544	ug/l	99
5) Bromomethane	2.73	94	59566	49.515	ug/l	97
6) Chloroethane	2.90	64	71957	53.700	ug/l	99
7) Trichlorofluoromethane	3.25	101	65480	54.899	ug/l	98
8) Diethyl Ether	3.67	74	65136	57.534	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	109632	54.075	ug/l	98
10) Methyl Iodide	4.26	142	154125	56.186	ug/l	99
11) Tert butyl alcohol	5.15	59	50612	347.761	ug/l	100
12) 1,1-Dichloroethene	4.03	96	108956	53.395	ug/l	100
13) Acrolein	3.89	56	30792	224.764	ug/l	97
14) Allyl chloride	4.66	41	239332	54.862	ug/l	98
15) Acrylonitrile	5.36	53	188363	335.672	ug/l	100
16) Acetone	4.11	43	157718	255.129	ug/l	98
17) Carbon Disulfide	4.38	76	310319	50.319	ug/l	100
18) Methyl Acetate	4.66	43	104639	68.340	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	201044	60.924	ug/l	99
20) Methylene Chloride	4.91	84	123145	52.694	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	117359	53.632	ug/l	99
22) Diisopropyl ether	6.31	45	460434	56.941	ug/l	96
23) Vinyl Acetate	6.25	43	1472868	295.971	ug/l	99
24) 1,1-Dichloroethane	6.21	63	239535	54.405	ug/l	99
25) 2-Butanone	7.17	43	267576	318.525	ug/l	98
26) 2,2-Dichloropropane	7.17	77	116874	46.899	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	131834	56.390	ug/l	98
28) Bromochloromethane	7.51	49	103202	53.780	ug/l	97
29) Tetrahydrofuran	7.52	42	177185	351.562	ug/l	99
30) Chloroform	7.67	83	219546	54.503	ug/l	98
31) Cyclohexane	7.95	56	230104	52.825	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	176917	55.520	ug/l	99
36) 1,1-Dichloropropene	8.08	75	183651	52.337	ug/l	100
37) Ethyl Acetate	7.24	43	118563	61.659	ug/l	99
38) Carbon Tetrachloride	8.07	117	158623	52.228	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	216592	54.943	ug/l	99
40) Benzene	8.32	78	507539	52.970	ug/l	99
41) Methacrylonitrile	7.48	41	75398	66.715	ug/l	96
42) 1,2-Dichloroethane	8.40	62	164147	54.662	ug/l	99
43) Isopropyl Acetate	8.42	43	222836	62.563	ug/l	99
44) Trichloroethene	9.09	130	122590	52.631	ug/l	100
45) 1,2-Dichloropropane	9.37	63	137855	53.459	ug/l	98
46) Dibromomethane	9.46	93	64896	56.562	ug/l	98
47) Bromodichloromethane	9.64	83	161843	53.001	ug/l	98
48) Methyl methacrylate	9.43	41	107821	63.602	ug/l	99
49) 1,4-Dioxane	9.45	88	22176	1262.550	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	585906	323.413	ug/l	99
52) Toluene	10.38	92	306476	53.244	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	168226	54.085	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	196463	52.311	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	92521	56.995	ug/l	97
56) Ethyl methacrylate	10.65	69	149717	63.369	ug/l	99
57) 1,3-Dichloropropane	10.93	76	174869	57.004	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	381237	314.410	ug/l	100
59) 2-Hexanone	10.97	43	400453	312.403	ug/l	99
60) Dibromochloromethane	11.13	129	134868	74.590	ug/l	81
61) 1,2-Dibromoethane	11.23	107	89531	59.200	ug/l	98
64) Tetrachloroethene	10.86	164	109800	57.423	ug/l	98
65) Chlorobenzene	11.66	112	300565	51.755	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	107340	52.982	ug/l	99
67) Ethyl Benzene	11.73	91	585879	52.371	ug/l	100
68) m/p-Xylenes	11.84	106	421267	104.541	ug/l	99
69) o-Xylene	12.16	106	199373	53.457	ug/l	99
70) Styrene	12.18	104	348133	53.928	ug/l	99
71) Bromoform	12.35	173	62111	61.533	ug/l #	94
73) Isopropylbenzene	12.46	105	561443	56.077	ug/l	99
74) N-amyl acetate	12.27	43	200634	66.328	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	117166	63.834	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	77898m	59.861	ug/l	
77) Bromobenzene	12.74	156	125957	58.152	ug/l	95
78) n-propylbenzene	12.80	91	661966	54.159	ug/l	99
79) 2-Chlorotoluene	12.89	91	377218	54.360	ug/l	84
80) 1,3,5-Trimethylbenzene	12.94	105	458111	54.759	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	38099	64.192	ug/l #	86
82) 4-Chlorotoluene	12.99	91	382746	52.677	ug/l	99
83) tert-Butylbenzene	13.21	119	414476	58.487	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	452863	53.888	ug/l	100
85) sec-Butylbenzene	13.38	105	558152	54.975	ug/l	100
86) p-Isopropyltoluene	13.50	119	502766	55.449	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	220602	52.071	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	219330	52.139	ug/l	99
89) n-Butylbenzene	13.82	91	465711	51.650	ug/l	99
90) Hexachloroethane	14.09	117	86596	54.435	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	204277	54.964	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20477	66.176	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	138904	54.082	ug/l	99
94) Hexachlorobutadiene	15.24	225	93072	54.881	ug/l	97
95) Naphthalene	15.36	128	322100	62.708	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	127771	57.019	ug/l	98

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

