

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091619\
 Data File : VW013056.D
 Acq On : 16 Sep 2019 22:26
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 2:01:12 PM

Quant Time: Sep 17 08:06:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 17:26:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	331368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	508908	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	421057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	211222	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	151632	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
35) Dibromofluoromethane	7.88	113	136817	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	10.32	98	547096	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.62	95	191505	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	61886	48.674	ug/l	94
3) Chloromethane	2.21	50	84869	53.571	ug/l	99
4) Vinyl Chloride	2.35	62	108010	45.539	ug/l	99
5) Bromomethane	2.76	94	67447	46.565	ug/l	97
6) Chloroethane	2.91	64	72563	49.882	ug/l	96
7) Trichlorofluoromethane	3.25	101	67666	40.797	ug/l	98
8) Diethyl Ether	3.67	74	66848	51.616	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	122162	48.562	ug/l	97
10) Methyl Iodide	4.27	142	167581	53.230	ug/l	98
11) Tert butyl alcohol	5.17	59	58942	288.616	ug/l	99
12) 1,1-Dichloroethene	4.04	96	113332	49.549	ug/l	98
13) Acrolein	3.89	56	65445	291.232	ug/l	99
14) Allyl chloride	4.67	41	248634	57.259	ug/l	95
15) Acrylonitrile	5.35	53	189232	286.081	ug/l	100
16) Acetone	4.12	43	165126	248.541	ug/l	100
17) Carbon Disulfide	4.38	76	223515	49.036	ug/l	99
18) Methyl Acetate	4.66	43	100045	57.379	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	254765	56.426	ug/l	98
20) Methylene Chloride	4.92	84	143872	59.137	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	128666	52.522	ug/l	99
22) Diisopropyl ether	6.31	45	526776	58.396	ug/l	99
23) Vinyl Acetate	6.25	43	1552858	287.412	ug/l	99
24) 1,1-Dichloroethane	6.21	63	277152	53.287	ug/l	99
25) 2-Butanone	7.17	43	261095	268.301	ug/l	97
26) 2,2-Dichloropropane	7.16	77	171107	52.013	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	160172	54.612	ug/l	99
28) Bromochloromethane	7.51	49	127600	58.288	ug/l #	95
29) Tetrahydrofuran	7.52	42	160433	289.341	ug/l	97
30) Chloroform	7.67	83	269986	51.088	ug/l	96
31) Cyclohexane	7.95	56	208617	53.752	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	219807	50.506	ug/l	98
36) 1,1-Dichloropropene	8.08	75	196660	48.360	ug/l	98
37) Ethyl Acetate	7.25	43	109801	50.869	ug/l	99
38) Carbon Tetrachloride	8.07	117	192558	46.206	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	213687	47.953	ug/l	99
40) Benzene	8.32	78	567362	49.976	ug/l	100
41) Methacrylonitrile	7.48	41	72408	50.939	ug/l	95
42) 1,2-Dichloroethane	8.40	62	178691	46.954	ug/l	97
43) Isopropyl Acetate	8.42	43	217107	52.385	ug/l	99
44) Trichloroethene	9.09	130	149894	48.204	ug/l	93
45) 1,2-Dichloropropane	9.37	63	159576	52.906	ug/l	99
46) Dibromomethane	9.46	93	72954	50.485	ug/l	100
47) Bromodichloromethane	9.64	83	208539	51.448	ug/l	100
48) Methyl methacrylate	9.43	41	104749	53.854	ug/l	96
49) 1,4-Dioxane	9.45	88	23957	989.389	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	579720	270.939	ug/l	99
52) Toluene	10.38	92	369137	51.170	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	202785	49.744	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	243733	52.254	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	114681	52.094	ug/l	99
56) Ethyl methacrylate	10.65	69	158785	53.587	ug/l	98
57) 1,3-Dichloropropane	10.93	76	207446	53.122	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	428741	269.729	ug/l	99
59) 2-Hexanone	10.96	43	391975	263.093	ug/l	100
60) Dibromochloromethane	11.13	129	136349	51.230	ug/l	97
61) 1,2-Dibromoethane	11.23	107	105937	52.752	ug/l	99
64) Tetrachloroethene	10.86	164	132839	53.032	ug/l	97
65) Chlorobenzene	11.66	112	383607	51.148	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	146629	51.017	ug/l	99
67) Ethyl Benzene	11.73	91	718207	51.850	ug/l	100
68) m/p-Xylenes	11.83	106	525991	103.947	ug/l	100
69) o-Xylene	12.16	106	257760	54.334	ug/l	100
70) Styrene	12.18	104	461028	54.630	ug/l	98
71) Bromoform	12.35	173	81940	54.276	ug/l #	99
73) Isopropylbenzene	12.46	105	742095	53.005	ug/l	100
74) N-amyl acetate	12.27	43	203989	56.641	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	133535	54.305	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	88743m	47.966	ug/l	
77) Bromobenzene	12.74	156	169681	52.609	ug/l	100
78) n-propylbenzene	12.80	91	865894	52.578	ug/l	100
79) 2-Chlorotoluene	12.89	91	497180	52.516	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	615740	51.986	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	44747	54.865	ug/l	96
82) 4-Chlorotoluene	12.99	91	516586	51.716	ug/l	99
83) tert-Butylbenzene	13.21	119	551290	52.036	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	612855	52.362	ug/l	98
85) sec-Butylbenzene	13.38	105	751804	52.085	ug/l	99
86) p-Isopropyltoluene	13.50	119	696799	52.580	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	331160	51.867	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	324519	51.721	ug/l	99
89) n-Butylbenzene	13.82	91	650637	52.060	ug/l	100
90) Hexachloroethane	14.09	117	121589	51.199	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	294053	52.371	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22835	50.733	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	216377	54.036	ug/l	99
94) Hexachlorobutadiene	15.24	225	144489	50.971	ug/l	98
95) Naphthalene	15.36	128	397928	59.475	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	194324	54.898	ug/l	99

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

