

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW093019\
 Data File : VW013344.D
 Acq On : 30 Sep 2019 20:01
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/1/2019 11:33:10 AM

Quant Time: Oct 01 05:58:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092019S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 20 15:58:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	323774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	469743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	411026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	214852	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	136639	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
35) Dibromofluoromethane	7.88	113	136950	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
50) Toluene-d8	10.32	98	558997	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.62	95	194557	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	74998	40.156	ug/l	92
3) Chloromethane	2.20	50	100836	42.001	ug/l	99
4) Vinyl Chloride	2.35	62	142222	45.950	ug/l	99
5) Bromomethane	2.76	94	89355	45.556	ug/l	94
6) Chloroethane	2.90	64	83900	45.987	ug/l	95
7) Trichlorofluoromethane	3.25	101	83430	46.747	ug/l	99
8) Diethyl Ether	3.68	74	79056	51.859	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	139377	47.967	ug/l	99
10) Methyl Iodide	4.26	142	223521	49.617	ug/l	99
11) Tert butyl alcohol	5.20	59	60499	320.913	ug/l #	86
12) 1,1-Dichloroethene	4.04	96	145903	48.491	ug/l	98
13) Acrolein	3.89	56	26001	170.930	ug/l	100
14) Allyl chloride	4.66	41	231316	48.305	ug/l	99
15) Acrylonitrile	5.37	53	186526	283.483	ug/l	98
16) Acetone	4.12	43	150615	252.749	ug/l	97
17) Carbon Disulfide	4.38	76	409083	47.038	ug/l	100
18) Methyl Acetate	4.67	43	98404	58.746	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	247614	53.695	ug/l	100
20) Methylene Chloride	4.91	84	157494	51.781	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	162404	49.939	ug/l	95
22) Diisopropyl ether	6.31	45	466630	51.244	ug/l	97
23) Vinyl Acetate	6.25	43	1437432	266.083	ug/l	99
24) 1,1-Dichloroethane	6.21	63	274359	49.930	ug/l	98
25) 2-Butanone	7.17	43	241110	269.531	ug/l	98
26) 2,2-Dichloropropane	7.17	77	162180	49.281	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	177615	51.753	ug/l	97
28) Bromochloromethane	7.51	49	120520	57.148	ug/l #	96
29) Tetrahydrofuran	7.53	42	159903	291.475	ug/l	99
30) Chloroform	7.67	83	269977	50.184	ug/l	98
31) Cyclohexane	7.95	56	259579	45.319	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	216457	49.679	ug/l	99
36) 1,1-Dichloropropene	8.08	75	220454	48.454	ug/l	98
37) Ethyl Acetate	7.25	43	109779	56.772	ug/l	98
38) Carbon Tetrachloride	8.07	117	201531	49.412	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	285637	48.852	ug/l	99
40) Benzene	8.32	78	641783	50.571	ug/l	100
41) Methacrylonitrile	7.48	41	64761	56.115	ug/l	98
42) 1,2-Dichloroethane	8.40	62	171122	50.160	ug/l	98
43) Isopropyl Acetate	8.42	43	202814	54.725	ug/l	99
44) Trichloroethene	9.09	130	181208	50.892	ug/l	94
45) 1,2-Dichloropropane	9.37	63	159961	51.628	ug/l	98
46) Dibromomethane	9.46	93	80461	53.490	ug/l	98
47) Bromodichloromethane	9.64	83	197152	51.508	ug/l	98
48) Methyl methacrylate	9.43	41	97037	55.683	ug/l	99
49) 1,4-Dioxane	9.46	88	27527	1219.111	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	536987	289.026	ug/l	99
52) Toluene	10.38	92	418192	51.417	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	208244	52.955	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	249803	52.245	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	119484	53.143	ug/l	99
56) Ethyl methacrylate	10.65	69	167866	57.049	ug/l	98
57) 1,3-Dichloropropane	10.93	76	208041	53.025	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	382405	280.725	ug/l	98
59) 2-Hexanone	10.97	43	367691	287.653	ug/l	98
60) Dibromochloromethane	11.13	129	140253	54.937	ug/l	99
61) 1,2-Dibromoethane	11.23	107	117424	54.930	ug/l	99
64) Tetrachloroethene	10.86	164	158922	50.959	ug/l	97
65) Chlorobenzene	11.66	112	439250	51.176	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	154387	52.651	ug/l	99
67) Ethyl Benzene	11.73	91	786887	50.599	ug/l	98
68) m/p-Xylenes	11.84	106	608247	102.638	ug/l	100
69) o-Xylene	12.16	106	284959	51.720	ug/l	97
70) Styrene	12.18	104	495885	52.425	ug/l	99
71) Bromoform	12.35	173	88618	57.206	ug/l #	99
73) Isopropylbenzene	12.46	105	785931	49.519	ug/l	99
74) N-amyl acetate	12.27	43	186319	52.904	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	142906	53.838	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	89742m	47.297	ug/l	
77) Bromobenzene	12.74	156	190946	50.769	ug/l	98
78) n-propylbenzene	12.80	91	911226	49.049	ug/l	99
79) 2-Chlorotoluene	12.89	91	510658	49.064	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	661318	49.569	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	47572	56.259	ug/l	94
82) 4-Chlorotoluene	12.99	91	537389	48.962	ug/l	99
83) tert-Butylbenzene	13.21	119	576947	49.270	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	656313	49.436	ug/l	99
85) sec-Butylbenzene	13.38	105	793362	49.142	ug/l	99
86) p-Isopropyltoluene	13.50	119	746385	49.845	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	364843	50.404	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	357078	50.299	ug/l	99
89) n-Butylbenzene	13.82	91	671931	49.144	ug/l	100
90) Hexachloroethane	14.09	117	125696	49.968	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	325129	51.920	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	23197	57.136	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	234269	52.207	ug/l	99
94) Hexachlorobutadiene	15.24	225	149070	48.558	ug/l	98
95) Naphthalene	15.36	128	425231	57.941	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	205415	52.978	ug/l	99

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

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