

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092519\
 Data File : VW013289.D
 Acq On : 25 Sep 2019 10:02
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 3:33:06 PM

Quant Time: Sep 25 17:26:50 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	383619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	548859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	467946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	235518	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	152538	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
35) Dibromofluoromethane	7.88	113	159571	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	
50) Toluene-d8	10.32	98	658625	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
62) 4-Bromofluorobenzene	12.62	95	224269	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	92784	41.930	ug/l	96
3) Chloromethane	2.21	50	124698	43.837	ug/l	98
4) Vinyl Chloride	2.36	62	171621	46.799	ug/l	98
5) Bromomethane	2.78	94	107375	46.203	ug/l	93
6) Chloroethane	2.92	64	101609	47.006	ug/l	94
7) Trichlorofluoromethane	3.26	101	98324	46.498	ug/l	99
8) Diethyl Ether	3.68	74	81943	45.367	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	163567	47.511	ug/l	99
10) Methyl Iodide	4.27	142	257209	48.188	ug/l	100
11) Tert butyl alcohol	5.20	59	44419	194.854	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	172051	48.261	ug/l	100
13) Acrolein	3.89	56	36443	202.202	ug/l	98
14) Allyl chloride	4.67	41	280617	49.459	ug/l	98
15) Acrylonitrile	5.37	53	172570	221.358	ug/l	99
16) Acetone	4.13	43	165039	233.749	ug/l	96
17) Carbon Disulfide	4.38	76	497615	48.292	ug/l	100
18) Methyl Acetate	4.67	43	83177	41.909	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	252432	46.201	ug/l	99
20) Methylene Chloride	4.92	84	172822	47.729	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	187939	48.775	ug/l	98
22) Diisopropyl ether	6.31	45	516731	47.893	ug/l	98
23) Vinyl Acetate	6.25	43	1493556	233.342	ug/l	99
24) 1,1-Dichloroethane	6.21	63	311518	47.849	ug/l	98
25) 2-Butanone	7.17	43	226383	213.589	ug/l	95
26) 2,2-Dichloropropane	7.16	77	192078	49.259	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	193940	47.694	ug/l	99
28) Bromochloromethane	7.51	49	129258	51.729	ug/l	98
29) Tetrahydrofuran	7.53	42	138349	212.844	ug/l	99
30) Chloroform	7.67	83	295947	46.430	ug/l	97
31) Cyclohexane	7.96	56	311501	45.900	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	246038	47.659	ug/l	99
36) 1,1-Dichloropropene	8.08	75	259640	48.841	ug/l	98
37) Ethyl Acetate	7.25	43	95706	42.360	ug/l	98
38) Carbon Tetrachloride	8.07	117	229771	48.215	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	334871	49.017	ug/l	98
40) Benzene	8.32	78	714061	48.156	ug/l	100
41) Methacrylonitrile	7.48	41	58438	43.337	ug/l	96
42) 1,2-Dichloroethane	8.40	62	180548	45.294	ug/l	99
43) Isopropyl Acetate	8.42	43	189924	43.860	ug/l	99
44) Trichloroethene	9.09	130	198799	47.784	ug/l	100
45) 1,2-Dichloropropane	9.37	63	173869	48.028	ug/l	100
46) Dibromomethane	9.46	93	81003	46.088	ug/l	98
47) Bromodichloromethane	9.64	83	213186	47.669	ug/l	96
48) Methyl methacrylate	9.43	41	96263	47.276	ug/l	95
49) 1,4-Dioxane	9.47	88	22003	833.999	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	467245	215.237	ug/l	98
52) Toluene	10.38	92	463832	48.808	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	222821	48.494	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	270780	48.469	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	121848	46.382	ug/l	98
56) Ethyl methacrylate	10.65	69	162403	47.237	ug/l	98
57) 1,3-Dichloropropane	10.93	76	215894	47.094	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	380779	239.238	ug/l	98
59) 2-Hexanone	10.97	43	347344	232.566	ug/l	99
60) Dibromochloromethane	11.13	129	144444	48.423	ug/l	99
61) 1,2-Dibromoethane	11.24	107	116042	46.458	ug/l	100
64) Tetrachloroethene	10.86	164	171864	48.406	ug/l	94
65) Chlorobenzene	11.66	112	471296	48.231	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	165674	49.628	ug/l	99
67) Ethyl Benzene	11.73	91	877236	49.547	ug/l	100
68) m/p-Xylenes	11.84	106	669619	99.250	ug/l	100
69) o-Xylene	12.16	106	307472	49.018	ug/l	98
70) Styrene	12.18	104	539421	50.091	ug/l	99
71) Bromoform	12.35	173	82546	46.804	ug/l #	99
73) Isopropylbenzene	12.46	105	865943	49.773	ug/l	100
74) N-amyl acetate	12.27	43	175368	45.425	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	130673	44.910	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	85192m	40.959	ug/l	
77) Bromobenzene	12.74	156	198751	48.208	ug/l	99
78) n-propylbenzene	12.80	91	1011488	49.668	ug/l	99
79) 2-Chlorotoluene	12.89	91	558451	48.948	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	726519	49.677	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	45316	48.889	ug/l	95
82) 4-Chlorotoluene	12.99	91	591730	49.182	ug/l	99
83) tert-Butylbenzene	13.21	119	636793	49.609	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	715140	49.141	ug/l	99
85) sec-Butylbenzene	13.38	105	882945	49.892	ug/l	100
86) p-Isopropyltoluene	13.50	119	823917	50.195	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	389497	49.088	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	380880	48.944	ug/l	100
89) n-Butylbenzene	13.82	91	758281	50.593	ug/l	99
90) Hexachloroethane	14.09	117	139625	50.635	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	336701	49.050	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20218	45.429	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	247904	50.398	ug/l	99
94) Hexachlorobutadiene	15.24	225	167517	49.778	ug/l	98
95) Naphthalene	15.36	128	399127	49.612	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	212047	49.890	ug/l	99

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

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