

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092319\
 Data File : VW013243.D
 Acq On : 23 Sep 2019 20:49
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:35:42 AM

Quant Time: Sep 24 08:05:32 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	338603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	503170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	444404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	227480	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	140848	50.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.94%	
35) Dibromofluoromethane	7.88	113	141516	51.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.28%	
50) Toluene-d8	10.32	98	574237	49.58	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.62	95	204019	51.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	89871	46.012	ug/l	98
3) Chloromethane	2.21	50	114927	45.774	ug/l	98
4) Vinyl Chloride	2.36	62	149628	46.226	ug/l	97
5) Bromomethane	2.76	94	102460	49.949	ug/l	96
6) Chloroethane	2.92	64	92418	48.438	ug/l	99
7) Trichlorofluoromethane	3.25	101	78903	42.274	ug/l	97
8) Diethyl Ether	3.67	74	84926	53.270	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	150657	49.579	ug/l	98
10) Methyl Iodide	4.27	142	239433	50.821	ug/l	99
11) Tert butyl alcohol	5.17	59	54133	273.048	ug/l	100
12) 1,1-Dichloroethene	4.04	96	157230	49.967	ug/l	100
13) Acrolein	3.89	56	38083	239.393	ug/l	99
14) Allyl chloride	4.66	41	247986	49.518	ug/l	98
15) Acrylonitrile	5.35	53	190641	277.048	ug/l	99
16) Acetone	4.12	43	149524	239.930	ug/l	98
17) Carbon Disulfide	4.38	76	454999	50.027	ug/l	100
18) Methyl Acetate	4.67	43	95628	54.588	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	262559	54.443	ug/l	99
20) Methylene Chloride	4.92	84	179121	56.582	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	173761	51.091	ug/l	100
22) Diisopropyl ether	6.31	45	507422	53.283	ug/l	99
23) Vinyl Acetate	6.25	43	1523995	269.752	ug/l	99
24) 1,1-Dichloroethane	6.21	63	293792	51.125	ug/l	99
25) 2-Butanone	7.16	43	243478	260.258	ug/l	98
26) 2,2-Dichloropropane	7.16	77	161599	46.785	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	186735	52.027	ug/l	98
28) Bromochloromethane	7.51	49	124741	56.559	ug/l	96
29) Tetrahydrofuran	7.52	42	163135	284.343	ug/l	99
30) Chloroform	7.67	83	286903	50.995	ug/l	99
31) Cyclohexane	7.95	56	281628	47.015	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	226620	49.734	ug/l	99
36) 1,1-Dichloropropene	8.08	75	231633	47.529	ug/l	99
37) Ethyl Acetate	7.25	43	111881	54.016	ug/l	99
38) Carbon Tetrachloride	8.07	117	215541	49.336	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	305539	48.784	ug/l	99
40) Benzene	8.32	78	685763	50.447	ug/l	98
41) Methacrylonitrile	7.48	41	68013	55.018	ug/l	97
42) 1,2-Dichloroethane	8.40	62	185977	50.893	ug/l	98
43) Isopropyl Acetate	8.42	43	213077	53.675	ug/l	99
44) Trichloroethene	9.09	130	188244	49.356	ug/l	94
45) 1,2-Dichloropropane	9.37	63	171591	51.702	ug/l	98
46) Dibromomethane	9.46	93	84367	52.360	ug/l	98
47) Bromodichloromethane	9.64	83	212034	51.716	ug/l	98
48) Methyl methacrylate	9.43	41	99377	53.237	ug/l	98
49) 1,4-Dioxane	9.45	88	27441	1134.566	ug/l #	87
51) 4-Methyl-2-Pentanone	10.21	43	543516	273.106	ug/l	98
52) Toluene	10.38	92	444038	50.968	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	224389	53.270	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	267247	52.180	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	127986	53.143	ug/l	99
56) Ethyl methacrylate	10.64	69	178158	56.525	ug/l	98
57) 1,3-Dichloropropane	10.93	76	221794	52.775	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	404712	277.363	ug/l	99
59) 2-Hexanone	10.97	43	372324	271.927	ug/l	99
60) Dibromochloromethane	11.13	129	150059	54.874	ug/l	100
61) 1,2-Dibromoethane	11.23	107	123434	53.905	ug/l	99
64) Tetrachloroethene	10.86	164	173204	51.368	ug/l	96
65) Chlorobenzene	11.65	112	467127	50.337	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	163916	51.703	ug/l	99
67) Ethyl Benzene	11.73	91	843743	50.180	ug/l	100
68) m/p-Xylenes	11.83	106	645739	100.781	ug/l	100
69) o-Xylene	12.16	106	300416	50.430	ug/l	99
70) Styrene	12.18	104	529886	51.812	ug/l	100
71) Bromoform	12.35	173	91335	54.531	ug/l #	98
73) Isopropylbenzene	12.46	105	828778	49.320	ug/l	99
74) N-amyl acetate	12.27	43	197809	53.048	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	144765	51.511	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	89887m	44.743	ug/l	
77) Bromobenzene	12.74	156	200224	50.281	ug/l	97
78) n-propylbenzene	12.80	91	972176	49.425	ug/l	100
79) 2-Chlorotoluene	12.89	91	547320	49.667	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	705085	49.915	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	46514	51.954	ug/l	96
82) 4-Chlorotoluene	12.99	91	571889	49.213	ug/l	100
83) tert-Butylbenzene	13.21	119	621731	50.147	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	696031	49.518	ug/l	99
85) sec-Butylbenzene	13.38	105	847625	49.588	ug/l	99
86) p-Isopropyltoluene	13.50	119	787135	49.649	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	384750	50.203	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	380593	50.636	ug/l	100
89) n-Butylbenzene	13.82	91	714513	49.357	ug/l	100
90) Hexachloroethane	14.09	117	136150	51.120	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	345022	52.038	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	23804	55.376	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	252574	53.162	ug/l	99
94) Hexachlorobutadiene	15.24	225	155788	47.929	ug/l	97
95) Naphthalene	15.36	128	450797	58.014	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	220916	53.813	ug/l	98

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

