

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091419\
 Data File : VW012957.D
 Acq On : 13 Sep 2019 16:16
 Operator : SY/VA
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 12:43:45 AM

Quant Time: Sep 13 17:09:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 13 16:59:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	286761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	417504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	362605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	174357	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	374235	141.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	282.60%	
35) Dibromofluoromethane	7.88	113	314066	138.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	277.26%	
50) Toluene-d8	10.32	98	1273803	143.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.38%	
62) 4-Bromofluorobenzene	12.62	95	439519	137.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	275.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	154811	126.275	ug/l	98
3) Chloromethane	2.21	50	191964	122.437	ug/l	99
4) Vinyl Chloride	2.36	62	263555	128.404	ug/l	98
5) Bromomethane	2.76	94	156708	125.021	ug/l	97
6) Chloroethane	2.91	64	171116	135.929	ug/l	97
7) Trichlorofluoromethane	3.25	101	209320	145.835	ug/l	98
8) Diethyl Ether	3.68	74	153438	136.906	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	287337	131.990	ug/l	100
10) Methyl Iodide	4.26	142	374374	137.414	ug/l	100
11) Tert butyl alcohol	5.18	59	125209	603.188	ug/l	100
12) 1,1-Dichloroethene	4.04	96	269619	136.213	ug/l	98
13) Acrolein	3.89	56	141835	730.088	ug/l	99
14) Allyl chloride	4.66	41	527922	140.489	ug/l	99
15) Acrylonitrile	5.36	53	407820	712.449	ug/l	99
16) Acetone	4.12	43	393209	624.990	ug/l	98
17) Carbon Disulfide	4.38	76	526535	133.483	ug/l	100
18) Methyl Acetate	4.67	43	209526	138.862	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	530723	135.831	ug/l	98
20) Methylene Chloride	4.91	84	293686	117.975	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	282716	133.357	ug/l	95
22) Diisopropyl ether	6.31	45	1081979	138.601	ug/l	97
23) Vinyl Acetate	6.25	43	3406849	728.646	ug/l	98
24) 1,1-Dichloroethane	6.21	63	615951	136.849	ug/l	99
25) 2-Butanone	7.17	43	572975	680.378	ug/l	100
26) 2,2-Dichloropropane	7.16	77	394483	123.602	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	351273	138.400	ug/l	97
28) Bromochloromethane	7.51	49	277945	146.716	ug/l #	100
29) Tetrahydrofuran	7.52	42	347410	724.016	ug/l	99
30) Chloroform	7.67	83	611456	133.701	ug/l	98
31) Cyclohexane	7.95	56	472389	123.183	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	510790	135.624	ug/l	98
36) 1,1-Dichloropropene	8.08	75	447150	134.029	ug/l	99
37) Ethyl Acetate	7.24	43	244543	138.096	ug/l	99
38) Carbon Tetrachloride	8.07	117	469505	137.327	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	495392	135.509	ug/l	98
40) Benzene	8.32	78	1246421	133.828	ug/l	100
41) Methacrylonitrile	7.48	41	161686	138.649	ug/l	97
42) 1,2-Dichloroethane	8.40	62	421570	135.027	ug/l	99
43) Isopropyl Acetate	8.42	43	493555	145.161	ug/l	99
44) Trichloroethene	9.09	130	342117	134.107	ug/l	95
45) 1,2-Dichloropropane	9.37	63	336212	135.872	ug/l	99
46) Dibromomethane	9.46	93	164160	138.471	ug/l	98
47) Bromodichloromethane	9.64	83	471152	141.683	ug/l	98
48) Methyl methacrylate	9.43	41	240356	150.627	ug/l	96
49) 1,4-Dioxane	9.46	88	55216	2779.574	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	1257275	716.247	ug/l	100
52) Toluene	10.38	92	809874	136.844	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	493369	147.521	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	555430	145.148	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	251894	139.475	ug/l	98
56) Ethyl methacrylate	10.65	69	364896	150.105	ug/l	99
57) 1,3-Dichloropropane	10.93	76	443663	138.484	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	997564	764.984	ug/l	100
59) 2-Hexanone	10.97	43	871184	712.754	ug/l	100
60) Dibromochloromethane	11.13	129	313323	143.499	ug/l	97
61) 1,2-Dibromoethane	11.23	107	231304	140.396	ug/l	100
64) Tetrachloroethene	10.86	164	284217	131.756	ug/l	98
65) Chlorobenzene	11.66	112	876458	135.699	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	341145	137.829	ug/l	100
67) Ethyl Benzene	11.73	91	1639723	137.461	ug/l	100
68) m/p-Xylenes	11.84	106	1200179	275.415	ug/l	99
69) o-Xylene	12.16	106	567261	138.850	ug/l	100
70) Styrene	12.18	104	1015230	139.693	ug/l	100
71) Bromoform	12.35	173	188907	145.301	ug/l #	99
73) Isopropylbenzene	12.46	105	1640996	141.994	ug/l	100
74) N-amyl acetate	12.27	43	451490	151.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	288634	142.197	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	235982m	160.407	ug/l	
77) Bromobenzene	12.74	156	374074	140.502	ug/l	100
78) n-propylbenzene	12.80	91	1920645	141.283	ug/l	99
79) 2-Chlorotoluene	12.89	91	1105039	141.403	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1353787	138.465	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	104584	155.345	ug/l	99
82) 4-Chlorotoluene	12.99	91	1145322	138.903	ug/l	99
83) tert-Butylbenzene	13.21	119	1223075	139.855	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	1344040	139.115	ug/l	99
85) sec-Butylbenzene	13.38	105	1657350	139.099	ug/l	100
86) p-Isopropyltoluene	13.50	119	1533678	140.199	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	721945	136.979	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	710858	137.250	ug/l	99
89) n-Butylbenzene	13.82	91	1462108	141.723	ug/l	100
90) Hexachloroethane	14.09	117	282164	143.934	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	639338	137.941	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	53907	145.089	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	489096	147.967	ug/l	99
94) Hexachlorobutadiene	15.24	225	314204	134.276	ug/l	99
95) Naphthalene	15.36	128	897228	162.454	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	430042	147.177	ug/l	98

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

