

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100119\
 Data File : VW013372.D
 Acq On : 01 Oct 2019 15:12
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 8:22:51 AM

Quant Time: Oct 01 15:56:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 15:43:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	362622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	528047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	455218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	217065	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	435872	147.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	294.56%	
35) Dibromofluoromethane	7.88	113	441706	152.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.18%	
50) Toluene-d8	10.32	98	1836088	151.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.12%	
62) 4-Bromofluorobenzene	12.62	95	597608	143.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	237716	113.645	ug/l	94
3) Chloromethane	2.21	50	303453	112.855	ug/l	99
4) Vinyl Chloride	2.36	62	470394	135.697	ug/l	99
5) Bromomethane	2.76	94	291366	132.633	ug/l	92
6) Chloroethane	2.90	64	275216	134.691	ug/l	95
7) Trichlorofluoromethane	3.24	101	222548	111.337	ug/l	96
8) Diethyl Ether	3.68	74	256551	150.263	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	465094	142.917	ug/l	99
10) Methyl Iodide	4.27	142	766912	152.000	ug/l	99
11) Tert butyl alcohol	5.17	59	181516	739.539	ug/l	96
12) 1,1-Dichloroethene	4.04	96	497925	147.756	ug/l	97
13) Acrolein	3.89	56	215231	1263.345	ug/l	100
14) Allyl chloride	4.66	41	755524	140.872	ug/l	98
15) Acrylonitrile	5.36	53	589708	800.226	ug/l	99
16) Acetone	4.12	43	607547	910.310	ug/l	94
17) Carbon Disulfide	4.38	76	1448246	148.687	ug/l	99
18) Methyl Acetate	4.66	43	297663	158.663	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	743189	143.896	ug/l	98
20) Methylene Chloride	4.92	84	514350	135.996	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	538785	147.926	ug/l	99
22) Diisopropyl ether	6.31	45	1466501	143.794	ug/l	97
23) Vinyl Acetate	6.25	43	4623805	764.219	ug/l	98
24) 1,1-Dichloroethane	6.21	63	892058	144.953	ug/l	99
25) 2-Butanone	7.16	43	819797	818.253	ug/l	95
26) 2,2-Dichloropropane	7.16	77	498501	121.983	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	574181	149.379	ug/l	96
28) Bromochloromethane	7.51	49	355056	150.322	ug/l	96
29) Tetrahydrofuran	7.52	42	493287	802.845	ug/l	99
30) Chloroform	7.67	83	851377	141.303	ug/l	98
31) Cyclohexane	7.95	56	876916	136.696	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	674410	138.202	ug/l	99
36) 1,1-Dichloropropene	8.08	75	724013	141.561	ug/l	99
37) Ethyl Acetate	7.25	43	334839	154.043	ug/l	98
38) Carbon Tetrachloride	8.07	117	650393	141.858	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	968950	147.420	ug/l	100
40) Benzene	8.32	78	2052341	143.864	ug/l	100
41) Methacrylonitrile	7.48	41	210090	161.942	ug/l	96
42) 1,2-Dichloroethane	8.40	62	539278	140.622	ug/l	98
43) Isopropyl Acetate	8.42	43	640405	153.720	ug/l	98
44) Trichloroethene	9.09	130	588900	147.130	ug/l	97
45) 1,2-Dichloropropane	9.37	63	505177	145.045	ug/l	99
46) Dibromomethane	9.46	93	253328	149.815	ug/l	97
47) Bromodichloromethane	9.64	83	642163	149.248	ug/l	96
48) Methyl methacrylate	9.43	41	324425	165.610	ug/l	97
49) 1,4-Dioxane	9.45	88	78368	3087.527	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	1619357	775.360	ug/l	99
52) Toluene	10.38	92	1331892	145.675	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	697005	157.674	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	821837	152.905	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	378363	149.704	ug/l	99
56) Ethyl methacrylate	10.65	69	542661	164.060	ug/l	97
57) 1,3-Dichloropropane	10.93	76	662241	150.153	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	1120721	731.884	ug/l	98
59) 2-Hexanone	10.97	43	1183084	823.360	ug/l	99
60) Dibromochloromethane	11.13	129	459961	160.274	ug/l	100
61) 1,2-Dibromoethane	11.23	107	369181	153.631	ug/l	99
64) Tetrachloroethene	10.86	164	509677	147.566	ug/l	99
65) Chlorobenzene	11.66	112	1387611	145.974	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	494463	152.259	ug/l	99
67) Ethyl Benzene	11.73	91	2483655	144.201	ug/l	98
68) m/p-Xylenes	11.84	106	1921348	292.743	ug/l	97
69) o-Xylene	12.16	106	869258	142.454	ug/l	99
70) Styrene	12.18	104	1542469	147.240	ug/l	99
71) Bromoform	12.35	173	274649	160.083	ug/l #	97
73) Isopropylbenzene	12.46	105	2410093	150.304	ug/l	100
74) N-amyl acetate	12.27	43	565905	159.046	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	415530	154.951	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	270435m	141.074	ug/l	
77) Bromobenzene	12.74	156	579831	152.595	ug/l	99
78) n-propylbenzene	12.80	91	2744938	146.247	ug/l	99
79) 2-Chlorotoluene	12.89	91	1528414	145.353	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	1920684	142.496	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	150291	175.923	ug/l	91
82) 4-Chlorotoluene	12.99	91	1572699	141.829	ug/l	99
83) tert-Butylbenzene	13.20	119	1695796	143.340	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	1961980	146.278	ug/l	99
85) sec-Butylbenzene	13.38	105	2419578	148.343	ug/l	100
86) p-Isopropyltoluene	13.50	119	2198712	145.338	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1072264	146.625	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1051168	146.562	ug/l	99
89) n-Butylbenzene	13.82	91	2001560	144.897	ug/l	99
90) Hexachloroethane	14.09	117	380014	149.528	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	932693	147.423	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	62949	153.467	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	704330	155.361	ug/l	100
94) Hexachlorobutadiene	15.24	225	436724	140.807	ug/l	100
95) Naphthalene	15.36	128	1271466	171.480	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	611110	156.003	ug/l	99

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

