

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
 Data File : VW012714.D
 Acq On : 07 Sep 2019 11:56
 Operator : SY/VA
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:02:41 PM

Quant Time: Sep 08 05:01:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 04:47:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	215456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	314540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	283647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	134724	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	393566	163.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.96%	
35) Dibromofluoromethane	7.88	113	297573	159.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	318.26%	
50) Toluene-d8	10.32	98	1198714	163.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	327.24%	
62) 4-Bromofluorobenzene	12.62	95	419768	157.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	315.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	164689	140.997	ug/l	95
3) Chloromethane	2.21	50	181341	127.748	ug/l	98
4) Vinyl Chloride	2.36	62	235500	135.306	ug/l	98
5) Bromomethane	2.77	94	125625	132.918	ug/l	96
6) Chloroethane	2.91	64	141959	136.680	ug/l	97
7) Trichlorofluoromethane	3.25	101	183921	153.129	ug/l	95
8) Diethyl Ether	3.68	74	156611	155.141	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	268951	142.690	ug/l	99
10) Methyl Iodide	4.27	142	332008	139.923	ug/l	100
11) Tert butyl alcohol	5.20	59	160939	873.774	ug/l	99
12) 1,1-Dichloroethene	4.04	96	254785	143.195	ug/l	96
13) Acrolein	3.89	56	155531	795.727	ug/l	100
14) Allyl chloride	4.66	41	544548	147.946	ug/l	98
15) Acrylonitrile	5.37	53	504062	854.907	ug/l	99
16) Acetone	4.13	43	561530	855.608	ug/l	97
17) Carbon Disulfide	4.39	76	531770	140.799	ug/l	100
18) Methyl Acetate	4.67	43	264338	171.674	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	535492	151.753	ug/l	98
20) Methylene Chloride	4.91	84	274117	133.505	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	261255	143.903	ug/l	96
22) Diisopropyl ether	6.31	45	1072505	146.915	ug/l	97
23) Vinyl Acetate	6.25	43	3804120	822.254	ug/l	99
24) 1,1-Dichloroethane	6.21	63	575213	146.338	ug/l	99
25) 2-Butanone	7.17	43	775258	894.916	ug/l	100
26) 2,2-Dichloropropane	7.17	77	352018	141.793	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	313079	148.725	ug/l	99
28) Bromochloromethane	7.51	49	275023	152.378	ug/l	98
29) Tetrahydrofuran	7.53	42	456090	860.575	ug/l	99
30) Chloroform	7.67	83	552451	141.815	ug/l	100
31) Cyclohexane	7.95	56	467435	132.093	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	457593	144.913	ug/l	99
36) 1,1-Dichloropropene	8.08	75	414070	148.159	ug/l	100
37) Ethyl Acetate	7.25	43	306057	171.789	ug/l	100
38) Carbon Tetrachloride	8.07	117	422814	153.474	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	469175	149.471	ug/l	98
40) Benzene	8.32	78	1151205	148.463	ug/l	99
41) Methacrylonitrile	7.48	41	192860	179.538	ug/l	96
42) 1,2-Dichloroethane	8.40	62	420670	154.150	ug/l	100
43) Isopropyl Acetate	8.42	43	590021	174.804	ug/l	99
44) Trichloroethene	9.09	130	299019	149.601	ug/l	94
45) 1,2-Dichloropropane	9.37	63	321017	149.266	ug/l	98
46) Dibromomethane	9.46	93	160060	157.168	ug/l	99
47) Bromodichloromethane	9.64	83	430579	153.676	ug/l	99
48) Methyl methacrylate	9.43	41	282786	175.312	ug/l	98
49) 1,4-Dioxane	9.46	88	69691	3464.376	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	1560310	880.966	ug/l	99
52) Toluene	10.38	92	722051	149.194	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	476989	165.559	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	518865	158.754	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	240827	157.953	ug/l	97
56) Ethyl methacrylate	10.65	69	383162	171.681	ug/l	99
57) 1,3-Dichloropropane	10.93	76	441666	156.584	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1024205	864.430	ug/l	99
59) 2-Hexanone	10.97	43	1146982	886.411	ug/l	100
60) Dibromochloromethane	11.13	129	288577	160.934	ug/l	99
61) 1,2-Dibromoethane	11.23	107	213150	152.487	ug/l	98
64) Tetrachloroethene	10.86	164	250686	145.654	ug/l	97
65) Chlorobenzene	11.66	112	763759	142.465	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	295140	147.832	ug/l	99
67) Ethyl Benzene	11.73	91	1461288	145.278	ug/l	99
68) m/p-Xylenes	11.84	106	1059758	291.890	ug/l	100
69) o-Xylene	12.16	106	501114	146.299	ug/l	99
70) Styrene	12.18	104	897206	148.232	ug/l	99
71) Bromoform	12.35	173	181814	163.913	ug/l #	99
73) Isopropylbenzene	12.46	105	1452851	150.355	ug/l	99
74) N-amyl acetate	12.27	43	528525	172.320	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	307174	158.291	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	216086m	163.440	ug/l	
77) Bromobenzene	12.75	156	323812	147.914	ug/l	98
78) n-propylbenzene	12.80	91	1729401	149.645	ug/l	100
79) 2-Chlorotoluene	12.89	91	980444	147.783	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1214876	149.206	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	111952	171.882	ug/l	99
82) 4-Chlorotoluene	12.99	91	1032737	147.164	ug/l	100
83) tert-Butylbenzene	13.21	119	1062656	147.603	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	1204006	146.751	ug/l	99
85) sec-Butylbenzene	13.38	105	1465570	146.700	ug/l	100
86) p-Isopropyltoluene	13.50	119	1345250	147.421	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	621022	144.324	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	615508	143.752	ug/l	99
89) n-Butylbenzene	13.82	91	1325954	149.672	ug/l	100
90) Hexachloroethane	14.09	117	244687	153.599	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	566905	146.376	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	62547	176.123	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	434436	161.115	ug/l	98
94) Hexachlorobutadiene	15.24	225	270846	145.118	ug/l	99
95) Naphthalene	15.36	128	926735	184.598	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	387455	162.787	ug/l	99

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

