

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010423.D
 Acq On : 17 May 2019 20:08
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW051719

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:16:21 PM

Quant Time: May 18 00:07:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:49:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	763378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1372186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1236605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	597345	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	435473	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	
35) Dibromofluoromethane	7.88	113	433923	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
50) Toluene-d8	10.32	98	1620799	51.28	ug/l	0.00
Spiked Amount			Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.62	95	631698	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	256720	47.719	ug/l	99
3) Chloromethane	2.21	50	399749	51.267	ug/l	99
4) Vinyl Chloride	2.35	62	408557	44.672	ug/l	99
5) Bromomethane	2.76	94	266239	58.007	ug/l	99
6) Chloroethane	2.91	64	264189	46.343	ug/l	96
7) Trichlorofluoromethane	3.25	101	575170	45.347	ug/l	99
8) Diethyl Ether	3.68	74	213218	47.261	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	369830	45.812	ug/l	99
10) Methyl Iodide	4.26	142	445610	49.359	ug/l	99
11) Tert butyl alcohol	5.18	59	182223	239.951	ug/l #	87
12) 1,1-Dichloroethene	4.03	96	351458	46.166	ug/l	100
13) Acrolein	3.90	56	114142	233.905	ug/l	100
14) Allyl chloride	4.67	41	552124	46.753	ug/l	99
15) Acrylonitrile	5.37	53	463545	240.312	ug/l	98
16) Acetone	4.14	43	338904	229.804	ug/l	98
17) Carbon Disulfide	4.37	76	993514	45.702	ug/l	100
18) Methyl Acetate	4.67	43	210082	45.584	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	1055783	48.350	ug/l	100
20) Methylene Chloride	4.92	84	398547	51.634	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	413067	46.521	ug/l	100
22) Diisopropyl ether	6.31	45	1204859	47.805	ug/l	98
23) Vinyl Acetate	6.26	43	3802372	241.843	ug/l	100
24) 1,1-Dichloroethane	6.21	63	693716	47.542	ug/l	99
25) 2-Butanone	7.17	43	607879	241.804	ug/l	97
26) 2,2-Dichloropropane	7.17	77	584311	44.374	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	481341	48.339	ug/l	99
28) Bromochloromethane	7.51	49	289367	52.783	ug/l	97
29) Tetrahydrofuran	7.53	42	407934	239.787	ug/l	99
30) Chloroform	7.68	83	742537	48.384	ug/l	99
31) Cyclohexane	7.95	56	622966	48.236	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	676109	46.721	ug/l	100
36) 1,1-Dichloropropene	8.08	75	552920	45.516	ug/l	99
37) Ethyl Acetate	7.26	43	283628	48.662	ug/l	97
38) Carbon Tetrachloride	8.07	117	596112	45.470	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	724661	44.670	ug/l	97
40) Benzene	8.32	78	1615173	46.588	ug/l	100
41) Methacrylonitrile	7.48	41	155205	44.468	ug/l #	85
42) 1,2-Dichloroethane	8.40	62	487935	47.235	ug/l	100
43) Isopropyl Acetate	8.43	43	569765	48.002	ug/l	99
44) Trichloroethene	9.09	130	470593	47.377	ug/l	97
45) 1,2-Dichloropropane	9.37	63	402079	47.377	ug/l	98
46) Dibromomethane	9.46	93	238506	47.574	ug/l	98
47) Bromodichloromethane	9.65	83	594785	47.743	ug/l	96
48) Methyl methacrylate	9.44	41	256531	46.903	ug/l	99
49) 1,4-Dioxane	9.46	88	68564	924.094	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	1444200	237.867	ug/l	100
52) Toluene	10.39	92	1066203	46.304	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	606663	47.217	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	677561	46.516	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	345435	47.756	ug/l	98
56) Ethyl methacrylate	10.65	69	492339	48.779	ug/l	99
57) 1,3-Dichloropropane	10.93	76	583553	48.125	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1189405	245.250	ug/l	100
59) 2-Hexanone	10.97	43	1006163	237.988	ug/l	100
60) Dibromochloromethane	11.13	129	437536	48.745	ug/l	99
61) 1,2-Dibromoethane	11.23	107	344897	47.047	ug/l	98
64) Tetrachloroethene	10.86	164	395547	48.630	ug/l	95
65) Chlorobenzene	11.66	112	1175372	46.807	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	442667	47.737	ug/l	99
67) Ethyl Benzene	11.73	91	2025597	45.793	ug/l	99
68) m/p-Xylenes	11.84	106	1602925	92.587	ug/l	100
69) o-Xylene	12.16	106	766053	46.418	ug/l	99
70) Styrene	12.18	104	1346155	47.373	ug/l	99
71) Bromoform	12.35	173	255561	48.913	ug/l #	99
73) Isopropylbenzene	12.46	105	2058787	44.572	ug/l	99
74) N-amyl acetate	12.27	43	541942	45.784	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	417714	45.662	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	281895m	44.070	ug/l	
77) Bromobenzene	12.75	156	484372	46.421	ug/l	99
78) n-propylbenzene	12.80	91	2383473	44.485	ug/l	99
79) 2-Chlorotoluene	12.89	91	1416844	45.284	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	1780645	45.291	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	142529	43.970	ug/l	99
82) 4-Chlorotoluene	12.99	91	1481457	45.337	ug/l	100
83) tert-Butylbenzene	13.21	119	1503703	45.225	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1757909	45.448	ug/l	99
85) sec-Butylbenzene	13.38	105	2116018	45.195	ug/l	100
86) p-Isopropyltoluene	13.50	119	1939171	45.847	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	942004	46.877	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	941964	47.091	ug/l	99
89) n-Butylbenzene	13.83	91	1823527	45.186	ug/l	100
90) Hexachloroethane	14.10	117	388907	45.709	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	865718	47.382	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	77512	45.533	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	580125	48.706	ug/l	100
94) Hexachlorobutadiene	15.24	225	297789	46.832	ug/l	98
95) Naphthalene	15.37	128	1309932	48.654	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	507306	48.308	ug/l	100

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

