

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100719\
 Data File : VW013452.D
 Acq On : 07 Oct 2019 10:04
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 1:30:55 PM

Quant Time: Oct 07 16:57:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	346541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	498169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	424574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	213677	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	137830	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	
35) Dibromofluoromethane	7.88	113	144117	55.13	ug/l	0.00
Spiked Amount			Recovery	=	110.26%	
50) Toluene-d8	10.32	98	599050	55.22	ug/l	0.00
Spiked Amount			Recovery	=	110.44%	
62) 4-Bromofluorobenzene	12.62	95	204633	56.49	ug/l	0.00
Spiked Amount			Recovery	=	112.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	77918	58.132	ug/l	96
3) Chloromethane	2.21	50	116935	52.868	ug/l	98
4) Vinyl Chloride	2.36	62	174375	55.550	ug/l	98
5) Bromomethane	2.78	94	101888	52.831	ug/l	96
6) Chloroethane	2.92	64	96934	53.478	ug/l	98
7) Trichlorofluoromethane	3.25	101	86237	63.323	ug/l	97
8) Diethyl Ether	3.68	74	83651	53.069	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	164107	54.352	ug/l	99
10) Methyl Iodide	4.26	142	265577	54.466	ug/l	99
11) Tert butyl alcohol	5.18	59	55503	260.603	ug/l #	90
12) 1,1-Dichloroethene	4.04	96	174729	54.773	ug/l	99
13) Acrolein	3.89	56	78151	296.663	ug/l	98
14) Allyl chloride	4.66	41	276466	58.584	ug/l	98
15) Acrylonitrile	5.37	53	184493	258.914	ug/l	98
16) Acetone	4.13	43	205494	259.094	ug/l	97
17) Carbon Disulfide	4.38	76	502664	56.483	ug/l	98
18) Methyl Acetate	4.67	43	92663	49.917	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	256560	54.644	ug/l	98
20) Methylene Chloride	4.91	84	171550	51.878	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	184301	54.250	ug/l	98
22) Diisopropyl ether	6.31	45	504006	55.303	ug/l	98
23) Vinyl Acetate	6.25	43	1538528	281.342	ug/l	98
24) 1,1-Dichloroethane	6.21	63	304467	54.849	ug/l	99
25) 2-Butanone	7.17	43	260789	256.969	ug/l	93
26) 2,2-Dichloropropane	7.16	77	187989	58.826	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	195431	54.958	ug/l	98
28) Bromochloromethane	7.51	49	114310	56.956	ug/l	96
29) Tetrahydrofuran	7.52	42	154303	260.961	ug/l	99
30) Chloroform	7.67	83	292431	53.726	ug/l	99
31) Cyclohexane	7.95	56	307009	51.862	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	240134	56.314	ug/l	98
36) 1,1-Dichloropropene	8.08	75	252451	54.560	ug/l	99
37) Ethyl Acetate	7.25	43	107880	52.819	ug/l	98
38) Carbon Tetrachloride	8.07	117	224918	56.115	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	328780	53.954	ug/l	98
40) Benzene	8.32	78	707866	54.043	ug/l	100
41) Methacrylonitrile	7.48	41	64597	52.464	ug/l	98
42) 1,2-Dichloroethane	8.40	62	179387	53.287	ug/l	97
43) Isopropyl Acetate	8.42	43	201177	52.343	ug/l	100
44) Trichloroethene	9.09	130	202337	54.857	ug/l	95
45) 1,2-Dichloropropane	9.37	63	172435	54.831	ug/l	99
46) Dibromomethane	9.46	93	82712	52.803	ug/l	97
47) Bromodichloromethane	9.64	83	214605	55.653	ug/l	96
48) Methyl methacrylate	9.43	41	100433	54.384	ug/l	98
49) 1,4-Dioxane	9.47	88	27971	1161.294	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	513402	254.244	ug/l	98
52) Toluene	10.38	92	455447	53.910	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	228544	56.980	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	272817	56.100	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	124132	53.122	ug/l	98
56) Ethyl methacrylate	10.65	69	171906	54.656	ug/l	98
57) 1,3-Dichloropropane	10.93	76	214917	52.905	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	348295	269.580	ug/l	99
59) 2-Hexanone	10.97	43	395399	282.498	ug/l	99
60) Dibromochloromethane	11.13	129	147980	55.356	ug/l	100
61) 1,2-Dibromoethane	11.23	107	118960	52.684	ug/l	100
64) Tetrachloroethene	10.86	164	171354	53.049	ug/l	99
65) Chlorobenzene	11.66	112	468798	53.896	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	167766	56.628	ug/l	100
67) Ethyl Benzene	11.73	91	859386	55.126	ug/l	98
68) m/p-Xylenes	11.84	106	663153	110.207	ug/l	99
69) o-Xylene	12.16	106	310315	55.777	ug/l	96
70) Styrene	12.18	104	538036	56.573	ug/l	99
71) Bromoform	12.35	173	92105	57.343	ug/l #	99
73) Isopropylbenzene	12.46	105	860542	55.057	ug/l	100
74) N-amyl acetate	12.27	43	183055	55.031	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	139434	52.706	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	110157m	58.005	ug/l	
77) Bromobenzene	12.74	156	201294	53.635	ug/l	99
78) n-propylbenzene	12.80	91	998351	55.529	ug/l	99
79) 2-Chlorotoluene	12.89	91	552852	55.363	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	713644	54.965	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	49884	55.365	ug/l	93
82) 4-Chlorotoluene	12.99	91	575934	55.057	ug/l	100
83) tert-Butylbenzene	13.21	119	632920	55.809	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	705462	54.656	ug/l	99
85) sec-Butylbenzene	13.38	105	870010	55.642	ug/l	99
86) p-Isopropyltoluene	13.50	119	802842	55.404	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	384766	54.493	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	377253	53.362	ug/l	100
89) n-Butylbenzene	13.82	91	736088	56.344	ug/l	99
90) Hexachloroethane	14.09	117	140312	58.609	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	338671	54.258	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	21812	55.122	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	252047	56.267	ug/l	99
94) Hexachlorobutadiene	15.24	225	164312	56.467	ug/l	99
95) Naphthalene	15.36	128	434624	57.517	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	216640	55.392	ug/l	100

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

