

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051719\
 Data File : VW010421.D
 Acq On : 17 May 2019 18:50
 Operator : SY/VA
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 12:16:10 PM

Quant Time: May 17 23:44:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051719S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:21:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	841359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1474013	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1327257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	624047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	850559	98.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.60%	
35) Dibromofluoromethane	7.88	113	842806	95.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.96%	
50) Toluene-d8	10.32	98	3180780	95.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.40%	
62) 4-Bromofluorobenzene	12.62	95	1223232	93.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	571068	107.734	ug/l	100
3) Chloromethane	2.20	50	829326	113.951	ug/l	99
4) Vinyl Chloride	2.35	62	885053	96.714	ug/l	97
5) Bromomethane	2.74	94	526395	90.116	ug/l	97
6) Chloroethane	2.90	64	577450	105.606	ug/l	94
7) Trichlorofluoromethane	3.24	101	1256839	198.854	ug/l	98
8) Diethyl Ether	3.68	74	473933	107.384	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	824672	105.429	ug/l	100
10) Methyl Iodide	4.26	142	962972	79.793	ug/l	100
11) Tert butyl alcohol	5.18	59	375440	528.239	ug/l	100
12) 1,1-Dichloroethene	4.03	96	778112	95.235	ug/l	99
13) Acrolein	3.89	56	252666	561.672	ug/l	98
14) Allyl chloride	4.67	41	1199325	113.203	ug/l	100
15) Acrylonitrile	5.37	53	1004233	516.086	ug/l	99
16) Acetone	4.13	43	744225	479.686	ug/l	100
17) Carbon Disulfide	4.37	76	2153642	96.907	ug/l	99
18) Methyl Acetate	4.67	43	469748	94.797	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	2304303	172.413	ug/l	100
20) Methylene Chloride	4.91	84	836234	92.221	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	896264	98.433	ug/l	100
22) Diisopropyl ether	6.31	45	2671417	105.767	ug/l	98
23) Vinyl Acetate	6.26	43	8339100	485.003	ug/l	100
24) 1,1-Dichloroethane	6.21	63	1511408	98.127	ug/l	99
25) 2-Butanone	7.17	43	1328225	456.974	ug/l	99
26) 2,2-Dichloropropane	7.16	77	1298958	148.162	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	1026214	97.673	ug/l	99
28) Bromochloromethane	7.51	49	604356	94.599	ug/l	98
29) Tetrahydrofuran	7.52	42	890576	457.400	ug/l	99
30) Chloroform	7.67	83	1602834	99.046	ug/l	99
31) Cyclohexane	7.95	56	1374822	91.783	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	1464329	112.220	ug/l	99
36) 1,1-Dichloropropene	8.08	75	1196165	94.308	ug/l	99
37) Ethyl Acetate	7.25	43	602216	94.692	ug/l	99
38) Carbon Tetrachloride	8.07	117	1300181	99.950	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1604110	95.471	ug/l	99
40) Benzene	8.32	78	3475243	94.193	ug/l	100
41) Methacrylonitrile	7.48	41	355203	91.924	ug/l	91
42) 1,2-Dichloroethane	8.40	62	1048729	97.479	ug/l	100
43) Isopropyl Acetate	8.43	43	1245062	95.025	ug/l	99
44) Trichloroethene	9.09	130	1009324	95.787	ug/l	99
45) 1,2-Dichloropropane	9.37	63	865276	94.530	ug/l	99
46) Dibromomethane	9.46	93	514746	96.577	ug/l	99
47) Bromodichloromethane	9.65	83	1290874	98.762	ug/l	98
48) Methyl methacrylate	9.43	41	569047	94.492	ug/l	97
49) 1,4-Dioxane	9.45	88	141295	1516.793	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	3155839	465.253	ug/l	100
52) Toluene	10.39	92	2319270	94.326	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	1334261	96.912	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	1509452	96.976	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	746480	96.858	ug/l	98
56) Ethyl methacrylate	10.65	69	1061399	96.991	ug/l	100
57) 1,3-Dichloropropane	10.93	76	1251229	97.061	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	2597477	541.538	ug/l	100
59) 2-Hexanone	10.97	43	2187334	457.181	ug/l	99
60) Dibromochloromethane	11.13	129	953977	99.096	ug/l	99
61) 1,2-Dibromoethane	11.24	107	758544	97.535	ug/l	98
64) Tetrachloroethene	10.86	164	831407	94.767	ug/l	98
65) Chlorobenzene	11.66	112	2549855	96.820	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	949136	97.323	ug/l	99
67) Ethyl Benzene	11.73	91	4403516	94.151	ug/l	100
68) m/p-Xylenes	11.84	106	3461232	189.131	ug/l	100
69) o-Xylene	12.17	106	1677450	95.103	ug/l	99
70) Styrene	12.18	104	2897087	94.488	ug/l	99
71) Bromoform	12.35	173	569891	100.774	ug/l	98
73) Isopropylbenzene	12.46	105	4446974	97.676	ug/l	100
74) N-amyl acetate	12.27	43	1223076	97.028	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	903992	101.033	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	622867m	91.727	ug/l	
77) Bromobenzene	12.75	156	1048578	99.825	ug/l	99
78) n-propylbenzene	12.80	91	5118508	96.140	ug/l	99
79) 2-Chlorotoluene	12.90	91	3014498	97.377	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	3772594	96.157	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	320348	98.080	ug/l	99
82) 4-Chlorotoluene	12.99	91	3144747	96.814	ug/l	99
83) tert-Butylbenzene	13.21	119	3197531	96.659	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	3743866	95.685	ug/l	99
85) sec-Butylbenzene	13.38	105	4482776	95.815	ug/l	100
86) p-Isopropyltoluene	13.50	119	4083364	95.921	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	1957984	95.850	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1960620	96.166	ug/l	99
89) n-Butylbenzene	13.83	91	3876827	95.417	ug/l	99
90) Hexachloroethane	14.10	117	842595	99.975	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	1794790	95.714	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	159159	95.685	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	1161241	90.088	ug/l	100
94) Hexachlorobutadiene	15.24	225	612737	93.053	ug/l	99
95) Naphthalene	15.37	128	2565286	89.389	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	1023752	89.433	ug/l	99

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

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