

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010349.D
 Acq On : 09 May 2019 20:58
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 10:07:57 AM

Quant Time: May 10 03:37:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 13:55:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1379092	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2282629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	2104939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1039275	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	794034	54.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.32%	
35) Dibromofluoromethane	7.88	113	685538	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.32	98	2737861	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.62	95	988910	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	490459	46.391	ug/l	98
3) Chloromethane	2.21	50	704693	49.918	ug/l	98
4) Vinyl Chloride	2.37	62	870777	49.633	ug/l	98
5) Bromomethane	2.78	94	517019	51.103	ug/l	98
6) Chloroethane	2.92	64	535958	52.824	ug/l	95
7) Trichlorofluoromethane	3.25	101	368103	41.912	ug/l	97
8) Diethyl Ether	3.67	74	447305	57.933	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	714670	49.660	ug/l	98
10) Methyl Iodide	4.27	142	1064231	52.219	ug/l	95
11) Tert butyl alcohol	5.17	59	268465	259.281	ug/l	99
12) 1,1-Dichloroethene	4.04	96	746557	49.645	ug/l	94
13) Acrolein	3.89	56	294175	215.193	ug/l	96
14) Allyl chloride	4.66	41	1196005	53.280	ug/l	91
15) Acrylonitrile	5.36	53	1089817	254.657	ug/l	98
16) Acetone	4.12	43	947505	247.897	ug/l	96
17) Carbon Disulfide	4.38	76	2259725	49.684	ug/l	100
18) Methyl Acetate	4.67	43	481844	50.896	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	1094108	61.117	ug/l	98
20) Methylene Chloride	4.91	84	837401	52.528	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	857335	52.964	ug/l	98
22) Diisopropyl ether	6.31	45	2673670	61.371	ug/l	95
23) Vinyl Acetate	6.25	43	8812380	294.588	ug/l	96
24) 1,1-Dichloroethane	6.21	63	1614253	55.035	ug/l	99
25) 2-Butanone	7.17	43	1528063	261.333	ug/l	97
26) 2,2-Dichloropropane	7.16	77	733313	50.250	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	941092	56.533	ug/l	96
28) Bromochloromethane	7.51	49	614648	56.840	ug/l	98
29) Tetrahydrofuran	7.52	42	1015803	268.590	ug/l	97
30) Chloroform	7.67	83	1557129	56.726	ug/l	98
31) Cyclohexane	7.95	56	1473080	49.050	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	1115410	52.459	ug/l	99
36) 1,1-Dichloropropene	8.08	75	1239729	50.090	ug/l	100
37) Ethyl Acetate	7.25	43	681174	51.691	ug/l	97
38) Carbon Tetrachloride	8.06	117	1056647	49.804	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1519051	50.172	ug/l	96
40) Benzene	8.32	78	3573965	52.728	ug/l	99
41) Methacrylonitrile	7.48	41	391597	52.988	ug/l	96
42) 1,2-Dichloroethane	8.40	62	1080811	55.707	ug/l	97
43) Isopropyl Acetate	8.43	43	1200656	54.937	ug/l	98
44) Trichloroethene	9.09	130	855017	50.387	ug/l	98
45) 1,2-Dichloropropane	9.37	63	932453	55.344	ug/l	97
46) Dibromomethane	9.46	93	472242	54.255	ug/l	99
47) Bromodichloromethane	9.64	83	1171766	56.122	ug/l	99
48) Methyl methacrylate	9.43	41	580335	56.160	ug/l	89
49) 1,4-Dioxane	9.45	88	167636	1104.386	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	3392481	270.710	ug/l	94
52) Toluene	10.38	92	2223231	53.663	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	1204085	56.934	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	1412684	56.402	ug/l	92
55) 1,1,2-Trichloroethane	10.79	97	683309	55.272	ug/l	98
56) Ethyl methacrylate	10.65	69	983371	60.236	ug/l #	89
57) 1,3-Dichloropropane	10.93	76	1243053	56.245	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	2239072	286.460	ug/l	99
59) 2-Hexanone	10.97	43	2367996	267.256	ug/l	92
60) Dibromochloromethane	11.13	129	753433	56.637	ug/l	100
61) 1,2-Dibromoethane	11.24	107	654387	55.140	ug/l	99
64) Tetrachloroethene	10.86	164	766337	52.089	ug/l	99
65) Chlorobenzene	11.66	112	2266786	52.023	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	798709	54.234	ug/l	98
67) Ethyl Benzene	11.73	91	4252848	53.055	ug/l	99
68) m/p-Xylenes	11.84	106	3158456	106.051	ug/l	98
69) o-Xylene	12.16	106	1474979	54.748	ug/l	98
70) Styrene	12.18	104	2637409	56.183	ug/l	98
71) Bromoform	12.35	173	442923	52.611	ug/l #	98
73) Isopropylbenzene	12.46	105	3995048	52.738	ug/l	100
74) N-amyl acetate	12.27	43	1135197	58.005	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	857577	51.379	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	608277m	50.200	ug/l	
77) Bromobenzene	12.75	156	920383	53.809	ug/l	98
78) n-propylbenzene	12.80	91	4884059	52.202	ug/l	100
79) 2-Chlorotoluene	12.90	91	2803923	52.625	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	3397587	53.201	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	271954	50.685	ug/l	93
82) 4-Chlorotoluene	12.99	91	2942053	52.700	ug/l	99
83) tert-Butylbenzene	13.21	119	2808619	52.726	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	3427301	54.006	ug/l	100
85) sec-Butylbenzene	13.38	105	4050776	51.513	ug/l	100
86) p-Isopropyltoluene	13.50	119	3631016	52.006	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1786362	52.301	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1752187	51.694	ug/l	100
89) n-Butylbenzene	13.83	91	3545615	50.647	ug/l	97
90) Hexachloroethane	14.10	117	656021	50.659	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	1606721	53.142	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	143296	47.675	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	1084320	52.548	ug/l	99
94) Hexachlorobutadiene	15.24	225	631019	47.702	ug/l	99
95) Naphthalene	15.37	128	2312675	49.127	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	993611	53.301	ug/l	100

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

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