

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010336.D
 Acq On : 09 May 2019 14:26
 Operator : SY/VA
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ICVVW050919

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 10:07:34 AM

Quant Time: May 10 02:27:19 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	1302740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2067659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1817054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	889257	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	712636	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
35) Dibromofluoromethane	7.88	113	624111	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
50) Toluene-d8	10.32	98	2594513	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
62) 4-Bromofluorobenzene	12.62	95	902222	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	538650	53.869	ug/l	99
3) Chloromethane	2.21	50	714945	53.612	ug/l	97
4) Vinyl Chloride	2.37	62	879514	53.069	ug/l	97
5) Bromomethane	2.78	94	497545	52.060	ug/l	98
6) Chloroethane	2.92	64	526791	54.964	ug/l	94
7) Trichlorofluoromethane	3.25	101	482417	58.146	ug/l	97
8) Diethyl Ether	3.67	74	386099	52.936	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.06	101	707684	52.056	ug/l	98
10) Methyl Iodide	4.26	142	1010198	52.473	ug/l	94
11) Tert butyl alcohol	5.17	59	242832	248.270	ug/l	98
12) 1,1-Dichloroethene	4.03	96	752155	52.948	ug/l	92
13) Acrolein	3.89	56	323914	250.835	ug/l	97
14) Allyl chloride	4.66	41	1173580	55.345	ug/l	91
15) Acrylonitrile	5.36	53	1053569	260.615	ug/l	99
16) Acetone	4.12	43	1048740	290.464	ug/l	92
17) Carbon Disulfide	4.37	76	2302597	53.594	ug/l	99
18) Methyl Acetate	4.67	43	445947	49.865	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	905259	53.532	ug/l	100
20) Methylene Chloride	4.91	84	744035	49.406	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	819239	53.576	ug/l	96
22) Diisopropyl ether	6.31	45	2240515	54.443	ug/l	93
23) Vinyl Acetate	6.25	43	7979302	282.373	ug/l	97
24) 1,1-Dichloroethane	6.21	63	1469250	53.028	ug/l	100
25) 2-Butanone	7.17	43	1480884	268.108	ug/l	97
26) 2,2-Dichloropropane	7.17	77	773425	56.104	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	846443	53.827	ug/l	96
28) Bromochloromethane	7.51	49	529095	51.796	ug/l	99
29) Tetrahydrofuran	7.53	42	944770	264.449	ug/l	96
30) Chloroform	7.67	83	1362283	52.537	ug/l	100
31) Cyclohexane	7.95	56	1468431	51.761	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	1072957	53.420	ug/l	98
36) 1,1-Dichloropropene	8.08	75	1209391	53.945	ug/l	100
37) Ethyl Acetate	7.25	43	630487	52.819	ug/l	97
38) Carbon Tetrachloride	8.07	117	1023133	53.239	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1524880	55.601	ug/l	96
40) Benzene	8.32	78	3238641	52.748	ug/l	99
41) Methacrylonitrile	7.48	41	364188	54.403	ug/l	95
42) 1,2-Dichloroethane	8.40	62	914225	52.020	ug/l	96
43) Isopropyl Acetate	8.43	43	1059865	53.537	ug/l	98
44) Trichloroethene	9.09	130	812230	52.842	ug/l	99
45) 1,2-Dichloropropane	9.37	63	811177	53.151	ug/l	97
46) Dibromomethane	9.46	93	407545	51.690	ug/l	99
47) Bromodichloromethane	9.64	83	1000944	52.924	ug/l	100
48) Methyl methacrylate	9.44	41	511413	54.636	ug/l	86
49) 1,4-Dioxane	9.45	88	142217	1034.335	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	3047648	268.478	ug/l	93
52) Toluene	10.39	92	2007920	53.505	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	1054422	55.041	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	1235108	54.440	ug/l #	89
55) 1,1,2-Trichloroethane	10.79	97	572883	51.158	ug/l	96
56) Ethyl methacrylate	10.65	69	825545	55.826	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	1044476	52.173	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	1886263	266.413	ug/l	100
59) 2-Hexanone	10.97	43	2205166	274.754	ug/l	92
60) Dibromochloromethane	11.13	129	634664	52.669	ug/l	100
61) 1,2-Dibromoethane	11.23	107	559994	52.092	ug/l	98
64) Tetrachloroethene	10.86	164	669923	52.750	ug/l	98
65) Chlorobenzene	11.66	112	2000651	53.189	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	670055	52.706	ug/l	98
67) Ethyl Benzene	11.73	91	3834187	55.411	ug/l	98
68) m/p-Xylenes	11.84	106	2839214	110.436	ug/l	100
69) o-Xylene	12.16	106	1293616	55.624	ug/l	98
70) Styrene	12.18	104	2278635	56.231	ug/l	99
71) Bromoform	12.35	173	388299	53.431	ug/l #	99
73) Isopropylbenzene	12.46	105	3686143	56.869	ug/l	100
74) N-amyl acetate	12.27	43	945280	56.449	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.71	83	746702	52.284	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	541959m	52.272	ug/l	
77) Bromobenzene	12.75	156	790362	54.003	ug/l	98
78) n-propylbenzene	12.80	91	4550371	56.840	ug/l	100
79) 2-Chlorotoluene	12.90	91	2522624	55.332	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	3064540	56.081	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	257742	56.140	ug/l	91
82) 4-Chlorotoluene	12.99	91	2609544	54.630	ug/l	99
83) tert-Butylbenzene	13.21	119	2565535	56.288	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	3064549	56.436	ug/l	100
85) sec-Butylbenzene	13.38	105	3805828	56.563	ug/l	100
86) p-Isopropyltoluene	13.50	119	3423479	57.306	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	1565267	53.559	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	1527710	52.675	ug/l	99
89) n-Butylbenzene	13.83	91	3428456	57.235	ug/l	98
90) Hexachloroethane	14.10	117	592150	53.441	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	1371320	53.007	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	132723	51.607	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	968475	54.852	ug/l	99
94) Hexachlorobutadiene	15.24	225	605940	53.533	ug/l	99
95) Naphthalene	15.37	128	2050793	50.783	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	864676	54.210	ug/l	99

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

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