

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW051219\
 Data File : VW010405.D
 Acq On : 12 May 2019 13:47
 Operator : SY/VA
 Sample : VW0512SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0512SBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 12:27:21 PM

Quant Time: May 13 06:05:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:41:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1251609	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2009753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1836358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	948014	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	684229	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
35) Dibromofluoromethane	7.88	113	598097	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	10.32	98	2399884	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.62	95	874102	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	176492	18.642	ug/l	99
3) Chloromethane	2.21	50	221613	17.297	ug/l	100
4) Vinyl Chloride	2.37	62	315368	19.806	ug/l	98
5) Bromomethane	2.77	94	179277	19.525	ug/l	97
6) Chloroethane	2.92	64	184886	20.078	ug/l	94
7) Trichlorofluoromethane	3.25	101	129701	16.272	ug/l	97
8) Diethyl Ether	3.67	74	150817	21.523	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	270920	20.743	ug/l	98
10) Methyl Iodide	4.27	142	377828	20.428	ug/l	95
11) Tert butyl alcohol	5.18	59	77009	81.950	ug/l	100
12) 1,1-Dichloroethene	4.03	96	274883	20.141	ug/l	96
13) Acrolein	3.89	56	93458	75.329	ug/l	96
14) Allyl chloride	4.66	41	411510	20.199	ug/l	94
15) Acrylonitrile	5.37	53	335117	86.282	ug/l	100
16) Acetone	4.12	43	291610	84.065	ug/l	92
17) Carbon Disulfide	4.38	76	805117	19.505	ug/l	100
18) Methyl Acetate	4.67	43	159104	18.518	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	342813	21.100	ug/l	98
20) Methylene Chloride	4.92	84	306248	21.167	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	298416	20.313	ug/l	96
22) Diisopropyl ether	6.31	45	932959	23.596	ug/l	96
23) Vinyl Acetate	6.25	43	2791309	102.815	ug/l	97
24) 1,1-Dichloroethane	6.21	63	576732	21.666	ug/l	99
25) 2-Butanone	7.17	43	454988	85.739	ug/l	100
26) 2,2-Dichloropropane	7.16	77	277885	20.981	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	321681	21.292	ug/l	97
28) Bromochloromethane	7.51	49	257620	26.250	ug/l	98
29) Tetrahydrofuran	7.53	42	294342	85.755	ug/l	97
30) Chloroform	7.67	83	558302	22.411	ug/l	98
31) Cyclohexane	7.95	56	547897	20.102	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	412404	21.372	ug/l	100
36) 1,1-Dichloropropene	8.08	75	455150	20.887	ug/l	99
37) Ethyl Acetate	7.26	43	205870	17.744	ug/l	98
38) Carbon Tetrachloride	8.06	117	390054	20.881	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	530018	19.883	ug/l	98
40) Benzene	8.32	78	1277020	21.398	ug/l	98
41) Methacrylonitrile	7.49	41	127950	19.664	ug/l	98
42) 1,2-Dichloroethane	8.40	62	385094	22.544	ug/l	97
43) Isopropyl Acetate	8.43	43	359791	18.698	ug/l	95
44) Trichloroethene	9.09	130	308062	20.619	ug/l	100
45) 1,2-Dichloropropane	9.37	63	327987	22.110	ug/l	98
46) Dibromomethane	9.46	93	163910	21.388	ug/l	99
47) Bromodichloromethane	9.64	83	408475	22.220	ug/l	99
48) Methyl methacrylate	9.44	41	174042	19.129	ug/l	87
49) 1,4-Dioxane	9.45	88	49271	368.670	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	1017330	92.202	ug/l	96
52) Toluene	10.38	92	793420	21.752	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	398729	21.413	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	475918	21.581	ug/l	91
55) 1,1,2-Trichloroethane	10.79	97	234996	21.589	ug/l	98
56) Ethyl methacrylate	10.65	69	285023	19.829	ug/l #	90
57) 1,3-Dichloropropane	10.93	76	422268	21.701	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	819871	119.134	ug/l	100
59) 2-Hexanone	10.97	43	700695	89.819	ug/l	94
60) Dibromochloromethane	11.13	129	251274	21.453	ug/l	99
61) 1,2-Dibromoethane	11.23	107	217464	20.812	ug/l	98
64) Tetrachloroethene	10.86	164	262757	20.472	ug/l	99
65) Chlorobenzene	11.66	112	812540	21.375	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	275590	21.450	ug/l	97
67) Ethyl Benzene	11.73	91	1491518	21.329	ug/l	100
68) m/p-Xylenes	11.84	106	1131547	43.551	ug/l	99
69) o-Xylene	12.16	106	500556	21.297	ug/l	100
70) Styrene	12.18	104	912762	22.288	ug/l	98
71) Bromoform	12.35	173	142410	19.390	ug/l	97
73) Isopropylbenzene	12.46	105	1429350	20.685	ug/l	99
74) N-amyl acetate	12.27	43	330657	18.522	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.71	83	281964	18.519	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	200805m	18.167	ug/l	
77) Bromobenzene	12.75	156	326970	20.956	ug/l	100
78) n-propylbenzene	12.80	91	1799271	21.082	ug/l	100
79) 2-Chlorotoluene	12.90	91	1019458	20.975	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	1236604	21.227	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	83656	17.092	ug/l	98
82) 4-Chlorotoluene	12.99	91	1089387	21.392	ug/l	98
83) tert-Butylbenzene	13.21	119	993615	20.449	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1259747	21.761	ug/l	100
85) sec-Butylbenzene	13.38	105	1490228	20.775	ug/l	99
86) p-Isopropyltoluene	13.50	119	1349477	21.189	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	664925	21.342	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	655669	21.206	ug/l	100
89) n-Butylbenzene	13.83	91	1340142	20.986	ug/l	100
90) Hexachloroethane	14.10	117	238707	20.208	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	588238	21.329	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	45245	16.502	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	409704	21.766	ug/l	100
94) Hexachlorobutadiene	15.24	225	251958	20.880	ug/l	99
95) Naphthalene	15.37	128	714632	19.019	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	367341	21.603	ug/l	99

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

