

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021119\
 Data File : VW008596.D
 Acq On : 11 Feb 2019 14:41
 Operator : SY/VA
 Sample : VW0211SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/12/2019 1:43:00 PM

Quant Time: Feb 12 04:57:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	396488	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	637362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	743330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	398576	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	281215	72.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.40%	
35) Dibromofluoromethane	7.88	113	248444	66.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.32%	
50) Toluene-d8	10.32	98	1081999	72.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.80%	
62) 4-Bromofluorobenzene	12.62	95	565900	98.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	50826	23.992	ug/l	91
3) Chloromethane	2.21	50	78843	24.361	ug/l	99
4) Vinyl Chloride	2.37	62	103578	25.141	ug/l	95
5) Bromomethane	2.77	94	68044	25.606	ug/l	97
6) Chloroethane	2.92	64	66574	26.422	ug/l	99
7) Trichlorofluoromethane	3.25	101	66213	21.456	ug/l	96
8) Diethyl Ether	3.67	74	52958	26.783	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	83664	23.330	ug/l	97
10) Methyl Iodide	4.26	142	121659	21.478	ug/l	97
11) Tert butyl alcohol	5.18	59	36083	115.060	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	76362	21.041	ug/l	90
13) Acrolein	3.89	56	30897	113.984	ug/l	98
14) Allyl chloride	4.65	41	145849	21.164	ug/l	94
15) Acrylonitrile	5.37	53	103601	121.340	ug/l	97
16) Acetone	4.12	43	108272	123.781	ug/l	97
17) Carbon Disulfide	4.37	76	224677	19.384	ug/l	98
18) Methyl Acetate	4.67	43	58780	25.195	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	152087	25.329	ug/l	95
20) Methylene Chloride	4.90	84	93476	23.186	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	84864	20.800	ug/l	100
22) Diisopropyl ether	6.31	45	288537	22.092	ug/l	97
23) Vinyl Acetate	6.25	43	882863	114.478	ug/l	99
24) 1,1-Dichloroethane	6.21	63	159955	21.636	ug/l	98
25) 2-Butanone	7.17	43	144136	118.635	ug/l	97
26) 2,2-Dichloropropane	7.16	77	104084	20.828	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	93810	21.097	ug/l	98
28) Bromochloromethane	7.51	49	78234	23.040	ug/l	96
29) Tetrahydrofuran	7.53	42	92278	119.855	ug/l	99
30) Chloroform	7.67	83	158741	21.830	ug/l	94
31) Cyclohexane	7.95	56	151195	19.778	ug/l #	95
32) 1,1,1-Trichloroethane	7.87	97	139551	22.219	ug/l	97
36) 1,1-Dichloropropene	8.08	75	125922	20.915	ug/l	99
37) Ethyl Acetate	7.25	43	60481	22.706	ug/l #	94
38) Carbon Tetrachloride	8.06	117	125019	20.635	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	165494	20.924	ug/l	99
40) Benzene	8.32	78	344053	20.594	ug/l	99
41) Methacrylonitrile	7.48	41	38389	24.340	ug/l	98
42) 1,2-Dichloroethane	8.40	62	110255	22.773	ug/l	100
43) Isopropyl Acetate	8.43	43	131861	23.828	ug/l	100
44) Trichloroethene	9.09	130	95067	20.926	ug/l	99
45) 1,2-Dichloropropane	9.37	63	91269	21.910	ug/l	98
46) Dibromomethane	9.46	93	48589	22.679	ug/l	98
47) Bromodichloromethane	9.64	83	131289	23.168	ug/l	98
48) Methyl methacrylate	9.44	41	68811	25.430	ug/l	97
49) 1,4-Dioxane	9.46	88	16127	445.316	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	364889	133.468	ug/l	99
52) Toluene	10.38	92	256387	23.248	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	147084	24.392	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	153094	22.372	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	79460	26.738	ug/l	98
56) Ethyl methacrylate	10.65	69	110940	26.642	ug/l	98
57) 1,3-Dichloropropane	10.93	76	142801	26.822	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	270109	133.506	ug/l	100
59) 2-Hexanone	10.97	43	285105	147.721	ug/l	98
60) Dibromochloromethane	11.13	129	132312m	34.646	ug/l	
61) 1,2-Dibromoethane	11.23	107	82642	28.046	ug/l	91
64) Tetrachloroethene	10.86	164	93451	18.568	ug/l	96
65) Chlorobenzene	11.66	112	318907	21.017	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	119973	22.099	ug/l	94
67) Ethyl Benzene	11.73	91	598985	21.475	ug/l	100
68) m/p-Xylenes	11.84	106	447740	41.373	ug/l	96
69) o-Xylene	12.16	106	235224	22.876	ug/l	94
70) Styrene	12.18	104	374775	22.065	ug/l	98
71) Bromoform	12.35	173	90556	29.646	ug/l	81
73) Isopropylbenzene	12.46	105	780802	26.277	ug/l	95
74) N-amyl acetate	12.27	43	164660	21.510	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	169898m	36.115	ug/l	
76) 1,2,3-Trichloropropane	12.77	75	74653m	21.543	ug/l	
77) Bromobenzene	12.75	156	128831	19.852	ug/l	98
78) n-propylbenzene	12.80	91	757384	21.222	ug/l	99
79) 2-Chlorotoluene	12.89	91	437472	21.722	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	576195	23.200	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.51	75	37638	21.452	ug/l #	86
82) 4-Chlorotoluene	12.99	91	450297	21.001	ug/l	97
83) tert-Butylbenzene	13.21	119	544709	24.646	ug/l	93
84) 1,2,4-Trimethylbenzene	13.25	105	535936	21.230	ug/l	98
85) sec-Butylbenzene	13.38	105	677928	21.478	ug/l	95
86) p-Isopropyltoluene	13.50	119	594515	21.503	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	278441	21.246	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	268010	20.577	ug/l	94
89) n-Butylbenzene	13.83	91	572140	21.076	ug/l	98
90) Hexachloroethane	14.10	117	113619	21.013	ug/l	91
91) 1,2-Dichlorobenzene	13.87	146	242875	20.944	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20488	22.953	ug/l	91

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	171125	20.679	ug/l	94
94) Hexachlorobutadiene	15.24	225	101530	20.358	ug/l	98
95) Naphthalene	15.37	128	327573	22.544	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	150166	21.392	ug/l	95

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

