

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021119\
 Data File : VW008591.D
 Acq On : 11 Feb 2019 12:29
 Operator : SY/VA
 Sample : VW0211SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0211SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/12/2019 1:51:12 PM

Quant Time: Feb 12 04:43:55 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	7.94	168	470270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	715562	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	624007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	325361	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	238518	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
35) Dibromofluoromethane	7.88	113	232244	55.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.02%	
50) Toluene-d8	10.32	98	900844	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
62) 4-Bromofluorobenzene	12.62	95	332834	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	36613	15.848	ug/l	91
3) Chloromethane	2.21	50	62554	16.296	ug/l	98
4) Vinyl Chloride	2.36	62	86630	17.728	ug/l	97
5) Bromomethane	2.78	94	69491	22.048	ug/l	97
6) Chloroethane	2.92	64	67734	22.665	ug/l	98
7) Trichlorofluoromethane	3.25	101	64613	18.490	ug/l	96
8) Diethyl Ether	3.67	74	39765	16.956	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	77202	18.151	ug/l	97
10) Methyl Iodide	4.26	142	120142	17.883	ug/l	99
11) Tert butyl alcohol	5.20	59	24600	66.136	ug/l #	93
12) 1,1-Dichloroethene	4.03	96	75233	17.478	ug/l	94
13) Acrolein	3.89	56	22840	72.617	ug/l	99
14) Allyl chloride	4.65	41	134306	16.431	ug/l	96
15) Acrylonitrile	5.37	53	79717	78.718	ug/l	99
16) Acetone	4.12	43	80585	77.674	ug/l	98
17) Carbon Disulfide	4.37	76	216436	15.743	ug/l	97
18) Methyl Acetate	4.67	43	42978	15.531	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	126652	17.783	ug/l	98
20) Methylene Chloride	4.90	84	86668	18.124	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	86879	17.953	ug/l	92
22) Diisopropyl ether	6.31	45	260059	16.787	ug/l	98
23) Vinyl Acetate	6.25	43	738343	80.718	ug/l	100
24) 1,1-Dichloroethane	6.20	63	150196	17.129	ug/l	98
25) 2-Butanone	7.17	43	112439	78.026	ug/l	96
26) 2,2-Dichloropropane	7.15	77	106375	17.947	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	92367	17.514	ug/l	99
28) Bromochloromethane	7.50	49	75161	18.662	ug/l	98
29) Tetrahydrofuran	7.52	42	69619	76.237	ug/l	98
30) Chloroform	7.67	83	153282	17.772	ug/l	97
31) Cyclohexane	7.95	56	150358	16.583	ug/l #	90
32) 1,1,1-Trichloroethane	7.87	97	134729	18.086	ug/l	100
36) 1,1-Dichloropropene	8.07	75	127426	18.852	ug/l	99
37) Ethyl Acetate	7.26	43	50664	16.942	ug/l	97
38) Carbon Tetrachloride	8.06	117	130078	19.124	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	157055	17.687	ug/l	96
40) Benzene	8.32	78	343195	18.298	ug/l	100
41) Methacrylonitrile	7.48	41	31344	17.701	ug/l	99
42) 1,2-Dichloroethane	8.40	62	98741	18.166	ug/l	99
43) Isopropyl Acetate	8.42	43	104512	16.822	ug/l	98
44) Trichloroethene	9.09	130	95978	18.818	ug/l	97
45) 1,2-Dichloropropane	9.37	63	83412	17.836	ug/l	95
46) Dibromomethane	9.46	93	43389	18.038	ug/l	96
47) Bromodichloromethane	9.64	83	116533	18.316	ug/l	99
48) Methyl methacrylate	9.43	41	47732	15.712	ug/l	98
49) 1,4-Dioxane	9.46	88	13160	323.676	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	252192	82.165	ug/l	99
52) Toluene	10.38	92	221144	17.861	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	116008	17.136	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	132921	17.301	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	59568	17.854	ug/l	96
56) Ethyl methacrylate	10.65	69	76250	16.310	ug/l	98
57) 1,3-Dichloropropane	10.93	76	107308	17.953	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	221156	97.364	ug/l	98
59) 2-Hexanone	10.97	43	179810	82.983	ug/l	97
60) Dibromochloromethane	11.13	129	73926	17.242	ug/l	98
61) 1,2-Dibromoethane	11.23	107	57152	17.276	ug/l	100
64) Tetrachloroethene	10.86	164	82078	19.427	ug/l	98
65) Chlorobenzene	11.66	112	240785	18.903	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	85412	18.741	ug/l	99
67) Ethyl Benzene	11.73	91	430900	18.403	ug/l	99
68) m/p-Xylenes	11.84	106	338132	37.219	ug/l	97
69) o-Xylene	12.16	106	159774	18.509	ug/l	97
70) Styrene	12.18	104	247673	17.370	ug/l	98
71) Bromoform	12.35	173	44034	17.172	ug/l #	99
73) Isopropylbenzene	12.46	105	444518	18.326	ug/l	99
74) N-amyl acetate	12.27	43	98611	15.781	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	65142	16.963	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	46888m	16.575	ug/l	
77) Bromobenzene	12.75	156	97970	18.494	ug/l	95
78) n-propylbenzene	12.80	91	528932	18.156	ug/l	99
79) 2-Chlorotoluene	12.89	91	296136	18.013	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	365865	18.046	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	22122	15.446	ug/l	90
82) 4-Chlorotoluene	12.99	91	307236	17.553	ug/l	97
83) tert-Butylbenzene	13.21	119	322946	17.900	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	374729	18.184	ug/l	99
85) sec-Butylbenzene	13.38	105	469783	18.233	ug/l	99
86) p-Isopropyltoluene	13.50	119	419896	18.605	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	199290	18.628	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	197062	18.534	ug/l	99
89) n-Butylbenzene	13.83	91	397947	17.958	ug/l	98
90) Hexachloroethane	14.10	117	78587	17.805	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	173331	18.310	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12020	16.496	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	126979	18.797	ug/l	99
94) Hexachlorobutadiene	15.24	225	81906	20.119	ug/l	97
95) Naphthalene	15.37	128	207121	17.462	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	107047	18.681	ug/l	99

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

