

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022219\
 Data File : VW008787.D
 Acq On : 22 Feb 2019 14:20
 Operator : SY/VA
 Sample : VW0222SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0222SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/25/2019 10:53:00 AM

Quant Time: Feb 23 03:36:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	347273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	500086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	468394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	254769	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	159587	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	7.88	113	151336	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
50) Toluene-d8	10.32	98	576656	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.62	95	217374	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	63965	18.390	ug/l	100
3) Chloromethane	2.21	50	81721	19.301	ug/l	98
4) Vinyl Chloride	2.35	62	79066	17.638	ug/l	98
5) Bromomethane	2.77	94	79445	23.860	ug/l	100
6) Chloroethane	2.91	64	62742	19.710	ug/l	97
7) Trichlorofluoromethane	3.26	101	114150	20.134	ug/l	90
8) Diethyl Ether	3.68	74	34287	19.102	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	70425	20.455	ug/l	99
10) Methyl Iodide	4.26	142	78429	18.217	ug/l	100
11) Tert butyl alcohol	5.21	59	19974m	68.883	ug/l	
12) 1,1-Dichloroethene	4.04	96	61513	20.231	ug/l	96
13) Acrolein	3.90	56	22765	88.322	ug/l	99
14) Allyl chloride	4.67	41	102520	19.536	ug/l	97
15) Acrylonitrile	5.37	53	69587	90.334	ug/l	97
16) Acetone	4.14	43	68201	90.336	ug/l	93
17) Carbon Disulfide	4.37	76	185915	18.429	ug/l	95
18) Methyl Acetate	4.68	43	29828	16.657	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	157556	19.144	ug/l	97
20) Methylene Chloride	4.92	84	83267	19.247	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	68640	19.516	ug/l	95
22) Diisopropyl ether	6.31	45	207412	19.813	ug/l	98
23) Vinyl Acetate	6.26	43	617800	95.517	ug/l	98
24) 1,1-Dichloroethane	6.21	63	119618	19.719	ug/l	98
25) 2-Butanone	7.18	43	92019	87.181	ug/l	97
26) 2,2-Dichloropropane	7.16	77	110696	20.100	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	73686	19.585	ug/l	98
28) Bromochloromethane	7.51	49	50276	19.805	ug/l #	97
29) Tetrahydrofuran	7.53	42	56783	84.418	ug/l	98
30) Chloroform	7.67	83	124468	20.001	ug/l	94
31) Cyclohexane	7.95	56	122463	19.944	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	113276	20.015	ug/l	98
36) 1,1-Dichloropropene	8.08	75	100841	20.715	ug/l	99
37) Ethyl Acetate	7.26	43	41129	18.169	ug/l	97
38) Carbon Tetrachloride	8.07	117	103497	20.160	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	118033	19.439	ug/l	97
40) Benzene	8.32	78	268718	20.218	ug/l	100
41) Methacrylonitrile	7.49	41	25258	18.982	ug/l	94
42) 1,2-Dichloroethane	8.40	62	82248	19.535	ug/l	97
43) Isopropyl Acetate	8.42	43	82574	18.277	ug/l	100
44) Trichloroethene	9.09	130	75007	20.033	ug/l	98
45) 1,2-Dichloropropane	9.37	63	64091	19.513	ug/l	95
46) Dibromomethane	9.46	93	35225	19.281	ug/l	99
47) Bromodichloromethane	9.64	83	88229	19.849	ug/l	94
48) Methyl methacrylate	9.43	41	36590	16.910	ug/l	98
49) 1,4-Dioxane	9.47	88	9003	307.725	ug/l #	71
51) 4-Methyl-2-Pentanone	10.21	43	197701	86.190	ug/l	97
52) Toluene	10.38	92	178136	19.748	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	86205	19.027	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	103346	20.000	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	50455	20.364	ug/l	95
56) Ethyl methacrylate	10.65	69	59055	18.346	ug/l	97
57) 1,3-Dichloropropane	10.93	76	83789	19.154	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	160340	99.039	ug/l	100
59) 2-Hexanone	10.97	43	141776	86.830	ug/l	99
60) Dibromochloromethane	11.13	129	58367	19.314	ug/l	100
61) 1,2-Dibromoethane	11.24	107	46828	19.094	ug/l	99
64) Tetrachloroethene	10.86	164	68353	20.387	ug/l	99
65) Chlorobenzene	11.66	112	195355	19.835	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	65826	19.766	ug/l	98
67) Ethyl Benzene	11.73	91	349346	19.842	ug/l	99
68) m/p-Xylenes	11.84	106	279061	39.669	ug/l	100
69) o-Xylene	12.16	106	128826	19.511	ug/l	100
70) Styrene	12.18	104	205205	19.317	ug/l	99
71) Bromoform	12.35	173	32594	18.208	ug/l #	99
73) Isopropylbenzene	12.46	105	347684	19.907	ug/l	99
74) N-amyl acetate	12.27	43	76503	17.389	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	54047	18.939	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	38188m	18.155	ug/l	
77) Bromobenzene	12.75	156	83007	20.112	ug/l	99
78) n-propylbenzene	12.80	91	427091	19.991	ug/l	98
79) 2-Chlorotoluene	12.90	91	242769	20.014	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	296958	19.565	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	16016	18.511	ug/l	99
82) 4-Chlorotoluene	12.99	91	255042	19.953	ug/l	98
83) tert-Butylbenzene	13.21	119	260285	19.833	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	303391	19.310	ug/l	99
85) sec-Butylbenzene	13.38	105	379274	20.099	ug/l	100
86) p-Isopropyltoluene	13.50	119	334628	19.343	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	168735	19.705	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	172280	20.413	ug/l	99
89) n-Butylbenzene	13.83	91	318152	19.631	ug/l	100
90) Hexachloroethane	14.10	117	56562	19.973	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	150713	19.753	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9249	17.916	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	105312	19.156	ug/l	98
94) Hexachlorobutadiene	15.24	225	66328	20.483	ug/l	100
95) Naphthalene	15.37	128	167785	17.926	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	91538	19.258	ug/l	99

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

