

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
 Data File : VW000966.D
 Acq On : 24 Jan 2018 23:35
 Operator : JC/SY
 Sample : VW0124SBS02
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

Manual Integrations
 APPROVED

MMDadoda
 1/25/2018 1:34:02 PM

Quant Time: Jan 25 06:20:35 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	276922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	390208	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	361309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	196776	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	128713	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	7.88	113	112846	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
50) Toluene-d8	10.33	98	458612	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.63	95	168056	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	50954	19.08	ug/l	99
3) Chloromethane	2.22	50	45787	19.40	ug/l	98
4) Vinyl Chloride	2.36	62	40841	18.61	ug/l	99
5) Bromomethane	2.73	94	30182	18.70	ug/l	99
6) Chloroethane	2.90	64	22466	18.42	ug/l	95
7) Trichlorofluoromethane	3.25	101	74977	18.55	ug/l	98
8) Diethyl Ether	3.68	74	19396	19.16	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.04	101	53785	20.60	ug/l	99
10) Methyl Iodide	4.26	142	44920	19.51	ug/l	99
11) Tert butyl alcohol	5.18	59	18798m	65.31	ug/l	
12) 1,1-Dichloroethene	4.03	96	45226	20.15	ug/l	96
13) Acrolein	3.89	56	21356	75.99	ug/l	96
14) Allyl chloride	4.67	41	66270	18.95	ug/l	98
15) Acrylonitrile	5.38	53	73460	92.90	ug/l	99
16) Acetone	4.13	43	75862	79.33	ug/l	100
17) Carbon Disulfide	4.36	76	136425	18.41	ug/l	100
18) Methyl Acetate	4.68	43	34814	17.83	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	118797	20.61	ug/l	95
20) Methylene Chloride	4.91	84	50523	19.29	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	50266	19.28	ug/l	94
22) Diisopropyl ether	6.32	45	133630	21.35	ug/l	97
23) Vinyl Acetate	6.26	43	336609	86.54	ug/l	100
24) 1,1-Dichloroethane	6.21	63	85318	20.36	ug/l	99
25) 2-Butanone	7.18	43	103540	88.18	ug/l	95
26) 2,2-Dichloropropane	7.17	77	80776	19.04	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	54331	20.16	ug/l	97
28) Bromochloromethane	7.51	49	34482	19.59	ug/l #	99
29) Tetrahydrofuran	7.53	42	58361	90.33	ug/l	100
30) Chloroform	7.68	83	90934	20.12	ug/l	99
31) Cyclohexane	7.95	56	82355	19.04	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	85527	19.58	ug/l	100
36) 1,1-Dichloropropene	8.08	75	71348	19.16	ug/l	99
37) Ethyl Acetate	7.26	43	39594	18.84	ug/l	100
38) Carbon Tetrachloride	8.07	117	76606	18.65	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	84192	18.77	ug/l	94
40) Benzene	8.32	78	199663	19.72	ug/l	98
41) Methacrylonitrile	7.48	41	22748	19.29	ug/l	98
42) 1,2-Dichloroethane	8.40	62	62191	19.94	ug/l	99
43) Isopropyl Acetate	8.43	43	67647	18.99	ug/l	99
44) Trichloroethene	9.09	130	59369	19.74	ug/l	100
45) 1,2-Dichloropropane	9.37	63	48071	20.35	ug/l	99
46) Dibromomethane	9.46	93	29776	19.73	ug/l	99
47) Bromodichloromethane	9.65	83	67013	20.08	ug/l	99
48) Methyl methacrylate	9.45	41	32881	19.22	ug/l	99
49) 1,4-Dioxane	9.45	88	12077	366.17	ug/l	99
51) 4-Methyl-2-Pentanone	10.22	43	191942	93.63	ug/l	100
52) Toluene	10.40	92	130686	20.43	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	66534	19.68	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	74466	20.02	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	43150	20.48	ug/l	99
56) Ethyl methacrylate	10.65	69	49674	19.68	ug/l	99
57) 1,3-Dichloropropane	10.94	76	69383	20.16	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	107681	85.98	ug/l	99
59) 2-Hexanone	10.98	43	137464	86.47	ug/l	99
60) Dibromochloromethane	11.14	129	49905	19.61	ug/l	98
61) 1,2-Dibromoethane	11.24	107	43158	19.66	ug/l	99
64) Tetrachloroethene	10.87	164	64975	21.67	ug/l	97
65) Chlorobenzene	11.67	112	148215	19.99	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	53692	20.17	ug/l	99
67) Ethyl Benzene	11.74	91	247411	19.76	ug/l	99
68) m/p-Xylenes	11.85	106	194024	39.86	ug/l	99
69) o-Xylene	12.18	106	88742	19.88	ug/l	99
70) Styrene	12.20	104	147614	20.29	ug/l	99
71) Bromoform	12.36	173	34723	19.23	ug/l #	97
73) Isopropylbenzene	12.48	105	252864	19.89	ug/l	100
74) N-amyl acetate	12.29	43	60313	19.53	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	52118	19.18	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	41405m	18.18	ug/l	
77) Bromobenzene	12.76	156	64613	19.97	ug/l	99
78) n-propylbenzene	12.82	91	305330	19.90	ug/l	99
79) 2-Chlorotoluene	12.91	91	172968	19.99	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	218771	20.22	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	12940	17.49	ug/l	99
82) 4-Chlorotoluene	13.01	91	183753	19.99	ug/l	100
83) tert-Butylbenzene	13.23	119	188489	19.89	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	222362	20.33	ug/l	99
85) sec-Butylbenzene	13.40	105	271092	19.82	ug/l	100
86) p-Isopropyltoluene	13.52	119	240432	19.82	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	129775	20.23	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	128634	20.05	ug/l	99
89) n-Butylbenzene	13.84	91	221329	19.42	ug/l	99
90) Hexachloroethane	14.12	117	43786	19.42	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	117934	20.41	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11081	18.48	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	88203	20.48	ug/l	99
94) Hexachlorobutadiene	15.26	225	54448	19.94	ug/l	98
95) Naphthalene	15.39	128	182284	20.05	ug/l	100
96) 1,2,3-Trichlorobenzene	15.58	180	82685	20.87	ug/l	100

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

