

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
 Data File : VW000948.D
 Acq On : 24 Jan 2018 15:16
 Operator : JC/SY
 Sample : VW0124SBSD01
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/25/2018 1:33:58 PM

Quant Time: Jan 25 11:55:25 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	297283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	418149	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	381723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	211960	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	147759	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
35) Dibromofluoromethane	7.88	113	127925	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
50) Toluene-d8	10.33	98	532344	52.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.42%	
62) 4-Bromofluorobenzene	12.63	95	193760	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	54370	18.97	ug/l	98
3) Chloromethane	2.22	50	50622	19.98	ug/l	98
4) Vinyl Chloride	2.36	62	45296	19.22	ug/l	98
5) Bromomethane	2.73	94	32056	18.49	ug/l	97
6) Chloroethane	2.90	64	24464	18.68	ug/l	92
7) Trichlorofluoromethane	3.25	101	83664	19.28	ug/l	95
8) Diethyl Ether	3.68	74	21611	19.89	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.04	101	59286	21.15	ug/l	99
10) Methyl Iodide	4.26	142	45363	18.64	ug/l	99
11) Tert butyl alcohol	5.20	59	24177m	78.24	ug/l	
12) 1,1-Dichloroethene	4.03	96	50236	20.85	ug/l	85
13) Acrolein	3.90	56	22105	73.27	ug/l	96
14) Allyl chloride	4.67	41	72846	19.41	ug/l	99
15) Acrylonitrile	5.37	53	73863	87.01	ug/l	99
16) Acetone	4.13	43	82571	80.20	ug/l	99
17) Carbon Disulfide	4.36	76	155153	19.50	ug/l	97
18) Methyl Acetate	4.67	43	33440	15.96	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	128626	20.78	ug/l	100
20) Methylene Chloride	4.90	84	59112	21.31	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	56768	20.28	ug/l	97
22) Diisopropyl ether	6.32	45	148107	22.04	ug/l	99
23) Vinyl Acetate	6.26	43	382685	91.64	ug/l	100
24) 1,1-Dichloroethane	6.21	63	95261	21.18	ug/l	99
25) 2-Butanone	7.18	43	104905	83.22	ug/l	98
26) 2,2-Dichloropropane	7.17	77	92297	20.27	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	60124	20.78	ug/l	97
28) Bromochloromethane	7.51	49	38166	20.20	ug/l	100
29) Tetrahydrofuran	7.54	42	59647	86.00	ug/l	99
30) Chloroform	7.68	83	101714	20.96	ug/l	98
31) Cyclohexane	7.95	56	90056	19.39	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	95430	20.35	ug/l	99
36) 1,1-Dichloropropene	8.08	75	79862	20.02	ug/l	99
37) Ethyl Acetate	7.26	43	40112	17.81	ug/l	98
38) Carbon Tetrachloride	8.06	117	86442	19.64	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	92735	19.30	ug/l	95
40) Benzene	8.32	78	224165	20.66	ug/l	99
41) Methacrylonitrile	7.49	41	19996	15.82	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	69582	20.82	ug/l	99
43) Isopropyl Acetate	8.43	43	71998	18.86	ug/l	99
44) Trichloroethene	9.09	130	66013	20.48	ug/l	97
45) 1,2-Dichloropropane	9.37	63	53715	21.22	ug/l	95
46) Dibromomethane	9.46	93	32478	20.09	ug/l	99
47) Bromodichloromethane	9.65	83	74387	20.80	ug/l	99
48) Methyl methacrylate	9.44	41	33399	18.22	ug/l	98
49) 1,4-Dioxane	9.46	88	12229	346.00	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	197736	90.01	ug/l	100
52) Toluene	10.40	92	144093	21.03	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	71042	19.61	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	81683	20.49	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	46565	20.62	ug/l	97
56) Ethyl methacrylate	10.65	69	54179	19.97	ug/l	99
57) 1,3-Dichloropropane	10.94	76	75651	20.52	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	112989	84.73	ug/l	99
59) 2-Hexanone	10.98	43	147332	86.48	ug/l	99
60) Dibromochloromethane	11.13	129	55625	20.40	ug/l	99
61) 1,2-Dibromoethane	11.24	107	47228	20.08	ug/l	97
64) Tetrachloroethene	10.87	164	62566	19.75	ug/l	97
65) Chlorobenzene	11.67	112	164798	21.04	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	59557	21.18	ug/l	100
67) Ethyl Benzene	11.74	91	276720	20.92	ug/l	100
68) m/p-Xylenes	11.85	106	217989	42.39	ug/l	98
69) o-Xylene	12.18	106	98854	20.96	ug/l	99
70) Styrene	12.20	104	165864	21.58	ug/l	100
71) Bromoform	12.36	173	37558	19.69	ug/l #	100
73) Isopropylbenzene	12.48	105	275364	20.11	ug/l	100
74) N-amyl acetate	12.29	43	63993	19.24	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	56036	19.14	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	43118m	17.58	ug/l	
77) Bromobenzene	12.76	156	72562	20.82	ug/l	97
78) n-propylbenzene	12.82	91	338634	20.49	ug/l	99
79) 2-Chlorotoluene	12.91	91	193762	20.79	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	243174	20.87	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	13972	17.52	ug/l	100
82) 4-Chlorotoluene	13.01	91	206331	20.83	ug/l	99
83) tert-Butylbenzene	13.23	119	210129	20.58	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	246662	20.93	ug/l	98
85) sec-Butylbenzene	13.40	105	299871	20.35	ug/l	99
86) p-Isopropyltoluene	13.52	119	267851	20.50	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	141987	20.54	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	142937	20.68	ug/l	99
89) n-Butylbenzene	13.84	91	249047	20.29	ug/l	99
90) Hexachloroethane	14.11	117	48005	19.76	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	130826	21.01	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11183	17.31	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	98301	21.19	ug/l	100
94) Hexachlorobutadiene	15.26	225	59702	20.30	ug/l	99
95) Naphthalene	15.39	128	190734	19.47	ug/l	99
96) 1,2,3-Trichlorobenzene	15.58	180	91517	21.44	ug/l	100

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

