

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
 Data File : VW000965.D
 Acq On : 24 Jan 2018 23:10
 Operator : JC/SY
 Sample : VW0124SBS02
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS02

Manual Integrations
 APPROVED

MMDadoda
 1/25/2018 1:34:01 PM

Quant Time: Jan 25 06:19:07 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	243054	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	332589	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	301297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	159791	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	109837	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	7.88	113	94667	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
50) Toluene-d8	10.33	98	401161	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
62) 4-Bromofluorobenzene	12.63	95	141729	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	47266	20.17	ug/l	97
3) Chloromethane	2.22	50	41944	20.25	ug/l	99
4) Vinyl Chloride	2.36	62	38016	19.73	ug/l	98
5) Bromomethane	2.73	94	26516	18.72	ug/l	97
6) Chloroethane	2.90	64	20100	18.78	ug/l	94
7) Trichlorofluoromethane	3.25	101	71465	20.15	ug/l	100
8) Diethyl Ether	3.68	74	16335	18.38	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.04	101	51384	22.42	ug/l	99
10) Methyl Iodide	4.26	142	38502	19.17	ug/l	98
11) Tert butyl alcohol	5.19	59	25110m	99.39	ug/l	
12) 1,1-Dichloroethene	4.03	96	41721	21.18	ug/l	96
13) Acrolein	3.90	56	21753	88.19	ug/l	98
14) Allyl chloride	4.66	41	59331	19.33	ug/l	99
15) Acrylonitrile	5.37	53	74763	107.72	ug/l	99
16) Acetone	4.13	43	80489	92.50	ug/l	96
17) Carbon Disulfide	4.36	76	127563	19.61	ug/l	99
18) Methyl Acetate	4.67	43	36091	21.06	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	102428	20.24	ug/l	100
20) Methylene Chloride	4.91	84	46069	20.16	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	45185	19.74	ug/l	93
22) Diisopropyl ether	6.31	45	113186	20.60	ug/l	93
23) Vinyl Acetate	6.26	43	295158	86.45	ug/l	97
24) 1,1-Dichloroethane	6.21	63	75410	20.50	ug/l	100
25) 2-Butanone	7.18	43	107124	103.94	ug/l	99
26) 2,2-Dichloropropane	7.17	77	73556	19.76	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	47647	20.15	ug/l	97
28) Bromochloromethane	7.51	49	30182	19.54	ug/l	99
29) Tetrahydrofuran	7.53	42	62926	110.97	ug/l	100
30) Chloroform	7.68	83	79354	20.00	ug/l	99
31) Cyclohexane	7.95	56	78521	20.68	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	78488	20.47	ug/l	100
36) 1,1-Dichloropropene	8.08	75	67366	21.23	ug/l	99
37) Ethyl Acetate	7.26	43	40218	22.45	ug/l	100
38) Carbon Tetrachloride	8.07	117	71386	20.39	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	80143	20.97	ug/l	96
40) Benzene	8.32	78	180626	20.93	ug/l	100
41) Methacrylonitrile	7.49	41	19727	19.62	ug/l	88
42) 1,2-Dichloroethane	8.40	62	54523	20.51	ug/l	98
43) Isopropyl Acetate	8.43	43	64268	21.16	ug/l	100
44) Trichloroethene	9.09	130	53857	21.01	ug/l	96
45) 1,2-Dichloropropane	9.37	63	41799	20.76	ug/l	100
46) Dibromomethane	9.46	93	26445	20.56	ug/l	98
47) Bromodichloromethane	9.65	83	57768	20.31	ug/l #	99
48) Methyl methacrylate	9.45	41	30162	20.68	ug/l	98
49) 1,4-Dioxane	9.45	88	13288	472.68	ug/l	94
51) 4-Methyl-2-Pentanone	10.22	43	190132	108.81	ug/l	100
52) Toluene	10.40	92	113496	20.82	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	56763	19.70	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	62757	19.80	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	37379	20.81	ug/l	98
56) Ethyl methacrylate	10.66	69	44059	20.34	ug/l	97
57) 1,3-Dichloropropane	10.95	76	62085	21.17	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	94847	87.99	ug/l	97
59) 2-Hexanone	10.98	43	144751	103.38	ug/l	98
60) Dibromochloromethane	11.13	129	43589	20.09	ug/l	100
61) 1,2-Dibromoethane	11.24	107	38311	20.47	ug/l	98
64) Tetrachloroethene	10.87	164	59614	23.84	ug/l	99
65) Chlorobenzene	11.67	112	126692	20.50	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	45505	20.50	ug/l	100
67) Ethyl Benzene	11.74	91	218242	20.90	ug/l	100
68) m/p-Xylenes	11.85	106	170388	41.98	ug/l	99
69) o-Xylene	12.18	106	76491	20.55	ug/l	99
70) Styrene	12.20	104	127398	21.00	ug/l	99
71) Bromoform	12.36	173	30224	20.07	ug/l #	99
73) Isopropylbenzene	12.48	105	226526	21.94	ug/l	99
74) N-amyl acetate	12.29	43	54030	21.55	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	48429	21.95	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	39697m	21.47	ug/l	
77) Bromobenzene	12.76	156	54921	20.91	ug/l	99
78) n-propylbenzene	12.82	91	271444	21.79	ug/l	99
79) 2-Chlorotoluene	12.91	91	150510	21.42	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	189177	21.54	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	12275	19.67	ug/l	97
82) 4-Chlorotoluene	13.01	91	158228	21.19	ug/l	99
83) tert-Butylbenzene	13.23	119	164863	21.42	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	191534	21.56	ug/l	100
85) sec-Butylbenzene	13.40	105	244220	21.99	ug/l	99
86) p-Isopropyltoluene	13.52	119	211962	21.52	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	109390	20.99	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	109747	21.06	ug/l	99
89) n-Butylbenzene	13.84	91	197308	21.32	ug/l	99
90) Hexachloroethane	14.12	117	39252	21.44	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	101212	21.57	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10427	21.41	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	72457	20.71	ug/l	100
94) Hexachlorobutadiene	15.26	225	49563	22.35	ug/l	99
95) Naphthalene	15.40	128	158139	21.42	ug/l	100
96) 1,2,3-Trichlorobenzene	15.58	180	68676	21.34	ug/l	100

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

