

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051518\
 Data File : VW002525.D
 Acq On : 14 May 2018 21:16
 Operator : JC/SY
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 5/15/2018 5:56:20 PM

Quant Time: May 15 03:14:38 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 02:22:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	232270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	347098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	321944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	176997	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	23722	9.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.38%	
35) Dibromofluoromethane	7.88	113	21311	9.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.28%	
50) Toluene-d8	10.33	98	80620	9.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.08%	
62) 4-Bromofluorobenzene	12.63	95	28627	9.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	9423m	10.80	ug/l	
3) Chloromethane	2.21	50	17848	10.17	ug/l	96
4) Vinyl Chloride	2.36	62	26459	9.19	ug/l	96
5) Bromomethane	2.77	94	22093	9.47	ug/l	95
6) Chloroethane	2.92	64	17724	9.04	ug/l	93
7) Trichlorofluoromethane	3.25	101	11603	9.68	ug/l	87
8) Diethyl Ether	3.67	74	13357	9.89	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	19644	9.38	ug/l	95
10) Methyl Iodide	4.26	142	32836	9.74	ug/l	98
11) Tert butyl alcohol	5.20	59	9254	50.53	ug/l	98
12) 1,1-Dichloroethene	4.03	96	20345	9.85	ug/l	95
13) Acrolein	3.89	56	9463	60.41	ug/l	97
14) Allyl chloride	4.65	41	29676	9.74	ug/l	99
15) Acrylonitrile	5.36	53	25732	48.71	ug/l	97
16) Acetone	4.12	43	27647	56.58	ug/l	99
17) Carbon Disulfide	4.37	76	55947	9.40	ug/l	99
18) Methyl Acetate	4.67	43	13590	9.30	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	36223	9.88	ug/l	99
20) Methylene Chloride	4.90	84	24546	10.70	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	21550	9.65	ug/l	96
22) Diisopropyl ether	6.31	45	62944	9.39	ug/l	97
23) Vinyl Acetate	6.26	43	189216	46.92	ug/l	100
24) 1,1-Dichloroethane	6.21	63	39263	9.68	ug/l	96
25) 2-Butanone	7.18	43	36962	51.24	ug/l	95
26) 2,2-Dichloropropane	7.16	77	23139	11.26	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	24444	9.67	ug/l	97
28) Bromochloromethane	7.51	49	17372	9.42	ug/l	99
29) Tetrahydrofuran	7.54	42	21468	45.61	ug/l	99
30) Chloroform	7.67	83	41837	9.83	ug/l	96
31) Cyclohexane	7.95	56	36533	10.12	ug/l	# 90
32) 1,1,1-Trichloroethane	7.87	97	31297	9.75	ug/l	97
36) 1,1-Dichloropropene	8.08	75	31157	9.95	ug/l	98
37) Ethyl Acetate	7.26	43	15955	10.36	ug/l	97
38) Carbon Tetrachloride	8.07	117	31030	10.22	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	35502	9.75	ug/l	97
40) Benzene	8.32	78	89938	9.88	ug/l	99
41) Methacrylonitrile	7.48	41	8700	10.06	ug/l	99
42) 1,2-Dichloroethane	8.40	62	28662	10.03	ug/l	100
43) Isopropyl Acetate	8.43	43	28342	9.70	ug/l	97
44) Trichloroethene	9.09	130	25156	10.10	ug/l	98
45) 1,2-Dichloropropane	9.37	63	22874	9.97	ug/l	97
46) Dibromomethane	9.46	93	13068	10.16	ug/l	98
47) Bromodichloromethane	9.65	83	29628	9.79	ug/l	98
48) Methyl methacrylate	9.44	41	14653	10.35	ug/l	94
49) 1,4-Dioxane	9.46	88	4233	204.06	ug/l	97
51) 4-Methyl-2-Pentanone	10.22	43	79463	49.11	ug/l	98
52) Toluene	10.39	92	55343	9.57	ug/l	95
53) t-1,3-Dichloropropene	10.61	75	28882	9.62	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	33316	9.77	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	18567	10.25	ug/l	95
56) Ethyl methacrylate	10.65	69	21122	9.41	ug/l	97
57) 1,3-Dichloropropane	10.94	76	29135	9.47	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.93	63	49626	45.51	ug/l	100
59) 2-Hexanone	10.98	43	54249	48.93	ug/l	98
60) Dibromochloromethane	11.13	129	20301	9.48	ug/l	96
61) 1,2-Dibromoethane	11.24	107	17255	9.77	ug/l	97
64) Tetrachloroethene	10.87	164	23300	9.53	ug/l	92
65) Chlorobenzene	11.66	112	65356	9.99	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.74	131	22775	9.74	ug/l	98
67) Ethyl Benzene	11.74	91	107543	9.54	ug/l	98
68) m/p-Xylenes	11.85	106	85111	19.59	ug/l	99
69) o-Xylene	12.18	106	39478	9.55	ug/l	99
70) Styrene	12.19	104	64919	9.47	ug/l	99
71) Bromoform	12.36	173	12898	9.55	ug/l #	95
73) Isopropylbenzene	12.48	105	107180	9.36	ug/l	99
74) N-amyl acetate	12.29	43	26525	9.18	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	22940	10.25	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	16687m	10.20	ug/l	
77) Bromobenzene	12.76	156	28366	9.81	ug/l	96
78) n-propylbenzene	12.82	91	130731	9.63	ug/l	99
79) 2-Chlorotoluene	12.90	91	74972	9.60	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	92048	9.55	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	5695	9.46	ug/l	98
82) 4-Chlorotoluene	13.00	91	80731	9.71	ug/l	100
83) tert-Butylbenzene	13.22	119	79040	9.54	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	96181	9.62	ug/l	98
85) sec-Butylbenzene	13.40	105	113197	9.54	ug/l	98
86) p-Isopropyltoluene	13.51	119	100416	9.44	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	57409	10.04	ug/l	97
88) 1,4-Dichlorobenzene	13.59	146	58349	10.21	ug/l	98
89) n-Butylbenzene	13.83	91	94886	9.54	ug/l	100
90) Hexachloroethane	14.10	117	18276	9.62	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	53624	10.30	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	3645	9.41	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	38677	10.36	ug/l	98
94) Hexachlorobutadiene	15.26	225	21510	10.35	ug/l	99
95) Naphthalene	15.38	128	66418	9.64	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	35090	10.47	ug/l	99

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

