

Data Path : W:\HPCHEM1\MSVOA T\DATA\VT050818\
 Data File : VT019042.D
 Acq On : 8 May 2018 18:17
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA T/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VSTDIC020

Quant Time: May 09 04:10:44 2018
 Quant Method : W:\HPCHEM1\MSVOA_T\METHODS\2015\82T050818S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 09 03:54:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.44	168	1057966	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	8.38	114	1823934	50.00	ug/l	0.00
62) Chlorobenzene-d5	11.22	117	1576451	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.16	152	772095	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	7.80	65	210934	24.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.74%	
34) Dibromofluoromethane	7.35	113	210330	21.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.58%	
49) Toluene-d8	9.90	98	919170	21.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.34%	
61) 4-Bromofluorobenzene	12.22	95	348653	23.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.78	85	255842	26.01	ug/l	94
3) Chloromethane	1.96	50	89638	9.86	ug/l	98
4) Vinyl Chloride	2.10	62	138101	14.15	ug/l	89
5) Bromomethane	2.44	94	118114	21.65	ug/l	98
6) Chloroethane	2.57	64	92522	18.22	ug/l #	87
7) Trichlorofluoromethane	2.93	101	428810m	38.23	ug/l	
8) Diethyl Ether	3.20	74	59327	14.63	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.59	101	201964	20.89	ug/l	96
10) Methyl Iodide	3.76	142	286812	19.10	ug/l	90
11) Tert butyl alcohol	4.53	59	49843	107.68	ug/l #	89
12) 1,1-Dichloroethene	3.56	96	179716	17.97	ug/l	86
13) Acrolein	3.39	56	26145	40.93	ug/l #	80
14) Allyl chloride	4.06	41	384328	21.97	ug/l	93
15) Acrylonitrile	4.70	53	206311	98.57	ug/l	99
16) Acetone	3.60	43	106818	51.11	ug/l	99
17) Carbon Disulfide	3.90	76	713845m	25.97	ug/l	
18) Methyl Acetate	4.08	43	113043	12.68	ug/l	93
19) Methyl tert-butyl Ether	4.76	73	452141	23.87	ug/l	97
20) Methylene Chloride	4.32	84	234493	20.14	ug/l	94
21) trans-1,2-Dichloroethene	4.74	96	259419	24.13	ug/l	90
22) Diisopropyl ether	5.67	45	741612	24.00	ug/l	97
23) Vinyl Acetate	5.61	43	1681365	146.42	ug/l	98
24) 1,1-Dichloroethane	5.56	63	484130	26.49	ug/l	99
25) 2-Butanone	6.57	43	251517	88.15	ug/l	99
26) 2,2-Dichloropropane	6.55	77	201231	23.39	ug/l	100
27) cis-1,2-Dichloroethene	6.55	96	254592	24.25	ug/l	96
28) Bromochloromethane	6.94	49	168959	22.62	ug/l	99
29) Chloroform	7.13	83	458266	27.38	ug/l	99
30) Cyclohexane	7.41	56	526078	25.29	ug/l	96
31) 1,1,1-Trichloroethane	7.33	97	362000	28.26	ug/l	96
35) 1,1-Dichloropropene	7.56	75	422176	23.43	ug/l	96
36) Ethyl Acetate	6.67	43	111865	16.79	ug/l	98
37) Carbon Tetrachloride	7.54	117	337765	22.40	ug/l	98
38) Methylcyclohexane	8.88	83	519476	22.56	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	7.82	78	1160445	23.30	ug/l	99
40) Methacrylonitrile	6.92	41	52648m	13.39	ug/l	
41) 1,2-Dichloroethane	7.90	62	237244	19.80	ug/l	99
42) Isopropyl Acetate	7.96	43	188934	17.30	ug/l	98
43) Trichloroethene	8.63	130	254203	20.13	ug/l	97
44) 1,2-Dichloropropane	8.92	63	254783	22.08	ug/l	94
45) Dibromomethane	9.01	93	101879	20.11	ug/l	95
46) Bromodichloromethane	9.21	83	284709	21.60	ug/l	100
47) Methyl methacrylate	9.01	41	98486	15.90	ug/l	98
48) 1,4-Dioxane	9.01	88	22819	334.28	ug/l	97
50) 4-Methyl-2-Pentanone	9.80	43	538763	83.16	ug/l	95
51) Toluene	9.97	92	653914	21.17	ug/l	94
52) t-1,3-Dichloropropene	10.19	75	263978	20.78	ug/l	96
53) cis-1,3-Dichloropropene	9.65	75	335436	20.92	ug/l	98
54) 1,1,2-Trichloroethane	10.38	97	156904	20.74	ug/l	94
55) Ethyl methacrylate	10.25	69	191838	20.79	ug/l	99
56) 1,3-Dichloropropane	10.53	76	277667	21.15	ug/l	98
57) 2-Chloroethyl Vinyl ether	9.51	63	450205	117.13	ug/l	97
58) 2-Hexanone	10.57	43	391242	79.97	ug/l	96
59) Dibromochloromethane	10.73	129	163867	18.78	ug/l	99
60) 1,2-Dibromoethane	10.82	107	133647	19.16	ug/l	100
63) Tetrachloroethene	10.45	164	205370	17.86	ug/l	95
64) Chlorobenzene	11.25	112	674888	19.88	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.33	131	207568	19.44	ug/l	99
66) Ethyl Benzene	11.33	91	1375212	23.21	ug/l	98
67) m/p-Xylenes	11.45	106	977379	41.30	ug/l	91
68) o-Xylene	11.77	106	448261	20.79	ug/l	97
69) Stvrene	11.79	104	714926	19.91	ug/l	98
70) Bromoform	11.95	173	77143	14.21	ug/l	98
72) Isopropylbenzene	12.08	105	1371599	24.06	ug/l	96
73) N-amyl acetate	11.90	43	200906	18.43	ug/l	94
74) 1,1,2,2-Tetrachloroethane	12.32	83	180642	20.78	ug/l	96
75) 1,2,3-Trichloropropane	12.37	75	138114m	22.64	ug/l	
76) Bromobenzene	12.35	156	243379	19.22	ug/l	94
77) n-propylbenzene	12.42	91	1741568	25.32	ug/l	98
78) 2-Chlorotoluene	12.49	91	962594	24.92	ug/l	98
79) 1,3,5-Trimethylbenzene	12.56	105	1158344	23.62	ug/l	100
80) trans-1,4-Dichloro-2-buten	12.12	75	46756	17.57	ug/l	99
81) 4-Chlorotoluene	12.60	91	1165943	25.14	ug/l	96
82) tert-Butylbenzene	12.82	119	986083m	22.65	ug/l	
83) 1,2,4-Trimethylbenzene	12.86	105	1201459	24.27	ug/l	99
84) sec-Butylbenzene	13.00	105	1488897	24.14	ug/l	98
85) p-Isopropyltoluene	13.12	119	1232486	22.73	ug/l	96
86) 1,3-Dichlorobenzene	13.10	146	527688	20.05	ug/l	98
87) 1,4-Dichlorobenzene	13.19	146	522747	19.97	ug/l	98
88) n-Butylbenzene	13.44	91	1323185	26.31	ug/l	97
89) Hexachloroethane	13.70	117	181452	20.50	ug/l	100
90) 1,2-Dichlorobenzene	13.47	146	439246	19.38	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	14.09	75	27187	20.63	ug/l	88
92) 1,2,4-Trichlorobenzene	14.73	180	295641	19.50	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	14.83	225	208487	20.91	ug/l	96
94) Naphthalene	14.94	128	472878	18.96	ug/l	96
95) 1,2,3-Trichlorobenzene	15.12	180	234323	18.06	ug/l	96

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

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