

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092315\
 Data File : VD046859.D
 Acq On : 23 Sep 2015 17:46
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µm/5mL/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/24/2015 12:56:59 PM

Quant Time: Sep 24 03:17:18 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.29	168	162466	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	197956	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.57	117	198180	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.90	152	112726	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.70	65	85800	50.79	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.58%	
35) Dibromofluoromethane	6.19	113	80954	52.27	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	9.60	98	255023	52.19	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.84	95	107611	54.70	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.41	85	75311	51.05	ug/l	100
3) Chlorodifluoromethane	1.43	51	51804	41.10	ug/l	# 87
4) Chloromethane	1.57	50	40058	41.83	ug/l	97
5) Vinyl Chloride	1.67	62	41797	46.47	ug/l	98
6) Bromomethane	1.97	94	43710	56.67	ug/l	99
7) Chloroethane	2.07	64	32221	57.23	ug/l	99
8) Trichlorofluoromethane	2.32	101	151826	57.06	ug/l	97
9) Diethyl Ether	2.62	74	18257	38.71	ug/l	83
10) 1,1,2-Trichlorotrifluoroet	2.88	101	81905	49.20	ug/l	92
11) Methyl Iodide	3.04	142	91169	46.99	ug/l	# 86
12) Tert butyl alcohol	3.67	59	10557	184.76	ug/l	# 90
13) 1,1-Dichloroethene	2.86	96	62334	47.89	ug/l	89
14) Acrolein	2.77	56	21095	244.45	ug/l	92
15) Allyl chloride	3.31	41	120149	45.46	ug/l	# 71
16) Acrylonitrile	3.83	53	44486	225.55	ug/l	96
17) Acetone	2.93	43	63521	222.56	ug/l	92
18) Carbon Disulfide	3.12	76	209346	42.93	ug/l	98
19) Methyl Acetate	3.32	43	76138	46.05	ug/l	96
20) Methyl tert-butyl Ether	3.89	73	103755	50.88	ug/l	93
21) Methylene Chloride	3.49	84	71597	46.20	ug/l	87
22) trans-1,2-Dichloroethene	3.88	96	64082	43.66	ug/l	95
23) Diisopropyl ether	4.64	45	215494	49.12	ug/l	# 91
24) Vinyl Acetate	4.59	43	230362m	225.56	ug/l	
25) 1,1-Dichloroethane	4.55	63	130769	48.39	ug/l	98
26) 2-Butanone	5.43	43	73989	230.66	ug/l	# 91
27) 2,2-Dichloropropane	5.40	77	149383	53.80	ug/l	94
28) cis-1,2-Dichloroethene	5.41	96	77692	50.84	ug/l	93
29) Bromochloromethane	5.77	49	51624	48.48	ug/l	86
30) Chloroform	5.96	83	178233	54.37	ug/l	98
31) Cyclohexane	6.26	56	108113	42.64	ug/l	# 81
32) 1,1,1-Trichloroethane	6.16	97	162635	55.72	ug/l	97
36) 1,1-Dichloropropene	6.41	75	123862	53.54	ug/l	99
37) Ethyl Acetate	5.52	43	34699	46.69	ug/l	96
38) Carbon Tetrachloride	6.39	117	140241	58.34	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	122731	52.36	ug/l	94
40) Benzene	6.71	78	309541	52.41	ug/l	98
41) Methacrylonitrile	5.74	41	22130	53.10	ug/l #	93
42) 1,2-Dichloroethane	6.81	62	112127	61.13	ug/l	96
43) Isopropyl Acetate	8.39	43	50400	51.45	ug/l #	94
44) Trichloroethene	7.73	130	81947	55.43	ug/l	89
45) 1,2-Dichloropropane	8.13	63	75999	51.94	ug/l	97
46) Dibromomethane	8.25	93	47291	56.92	ug/l	92
47) Bromodichloromethane	8.55	83	128305	58.84	ug/l	97
48) Methyl methacrylate	8.07	41	77266	51.59	ug/l #	87
49) 1,4-Dioxane	8.27	88	5728	1033.92	ug/l #	83
51) 4-Methyl-2-Pentanone	9.47	43	190678	269.39	ug/l	95
52) Toluene	9.70	92	206279	56.63	ug/l	99
53) t-1,3-Dichloropropene	10.11	75	95600	59.38	ug/l	95
54) cis-1,3-Dichloropropene	9.22	75	118545	57.18	ug/l	96
55) 1,1,2-Trichloroethane	10.38	97	52961	56.15	ug/l	97
56) Ethyl methacrylate	10.22	69	49148	50.21	ug/l	94
57) 1,3-Dichloropropane	10.59	76	98319	56.05	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.01	63	125940	270.27	ug/l	95
59) 2-Hexanone	10.70	43	136793	267.50	ug/l	95
60) Dibromochloromethane	10.87	129	77668	60.00	ug/l	99
61) 1,2-Dibromoethane	11.00	107	51805	55.63	ug/l	94
64) Tetrachloroethene	10.45	164	83012	51.87	ug/l	93
65) Chlorobenzene	11.59	112	211655	50.74	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.71	131	83915	54.78	ug/l	96
67) Ethyl Benzene	11.71	91	455471	54.35	ug/l	99
68) m/p-Xylenes	11.87	106	285884	108.15	ug/l	89
69) o-Xylene	12.28	106	135143	56.79	ug/l	90
70) Styrene	12.30	104	234860	56.93	ug/l	97
71) Bromoform	12.49	173	46360	56.82	ug/l	99
73) Isopropylbenzene	12.66	105	419165	52.75	ug/l	97
74) N-amyl acetate	12.49	43	81059	41.45	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.98	83	62351	48.62	ug/l	90
76) 1,2,3-Trichloropropane	13.02	75	67569	49.25	ug/l	98
77) Bromobenzene	12.97	156	100357	50.22	ug/l	92
78) n-propylbenzene	13.06	91	583218	51.97	ug/l	96
79) 2-Chlorotoluene	13.15	91	320609	51.46	ug/l	98
80) 1,3,5-Trimethylbenzene	13.24	105	323485	51.09	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.73	75	16986	45.36	ug/l	91
82) 4-Chlorotoluene	13.26	91	374831	50.55	ug/l	95
83) tert-Butylbenzene	13.53	119	296859m	51.99	ug/l	
84) 1,2,4-Trimethylbenzene	13.58	105	329021	51.62	ug/l	99
85) sec-Butylbenzene	13.72	105	439607	52.39	ug/l	94
86) p-Isopropyltoluene	13.86	119	341480	51.77	ug/l	98
87) 1,3-Dichlorobenzene	13.83	146	189516	50.83	ug/l	97
88) 1,4-Dichlorobenzene	13.93	146	185365	50.00	ug/l	98
89) n-Butylbenzene	14.21	91	381778	51.27	ug/l	96
90) Hexachloroethane	14.47	117	76639	50.12	ug/l	89
91) 1,2-Dichlorobenzene	14.23	146	163019	52.05	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.88	75	8097	49.13	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.57	180	95621	53.02	ug/l	97
94) Hexachlorobutadiene	15.68	225	72388	48.76	ug/l	96
95) Naphthalene	15.81	128	118975	49.85	ug/l	99
96) 1,2,3-Trichlorobenzene	16.01	180	77555	51.46	ug/l	98

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

