

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046796.D
 Acq On : 18 Sep 2015 22:01
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00gm/5mL/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/21/2015 11:39:35 AM

Quant Time: Sep 19 01:08:59 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	6.31	168	181592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	234832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	221366	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	121378	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.72	65	104569	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	
35) Dibromofluoromethane	6.21	113	100345	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	
50) Toluene-d8	9.62	98	326035	56.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.50%	
62) 4-Bromofluorobenzene	12.85	95	131041	56.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.30%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.42	85	112645	70.00	ug/l	99
3) Chlorodifluoromethane	1.44	51	65442	47.27	ug/l	# 93
4) Chloromethane	1.58	50	59504	55.59	ug/l	98
5) Vinyl Chloride	1.68	62	59570	59.25	ug/l	98
6) Bromomethane	1.98	94	54961	64.31	ug/l	94
7) Chloroethane	2.08	64	37701	59.91	ug/l	95
8) Trichlorofluoromethane	2.33	101	177486	59.68	ug/l	98
9) Diethyl Ether	2.64	74	32084	60.86	ug/l	90
10) 1,1,2-Trichlorotrifluoroet	2.89	101	107654	57.85	ug/l	98
11) Methyl Iodide	3.05	142	134265	61.37	ug/l	94
12) Tert butyl alcohol	3.69	59	16104	289.02	ug/l	95
13) 1,1-Dichloroethene	2.88	96	89570	61.57	ug/l	95
14) Acrolein	2.78	56	20901	216.69	ug/l	85
15) Allyl chloride	3.33	41	183315	62.06	ug/l	89
16) Acrylonitrile	3.84	53	68962	312.82	ug/l	96
17) Acetone	2.94	43	85755	268.81	ug/l	97
18) Carbon Disulfide	3.13	76	314168	57.65	ug/l	97
19) Methyl Acetate	3.33	43	115031	62.24	ug/l	99
20) Methyl tert-butyl Ether	3.91	73	147278	64.62	ug/l	94
21) Methylene Chloride	3.51	84	103201	59.58	ug/l	90
22) trans-1,2-Dichloroethene	3.90	96	99444	60.61	ug/l	97
23) Diisopropyl ether	4.66	45	313129	63.86	ug/l	# 89
24) Vinyl Acetate	4.61	43	326649	282.12	ug/l	97
25) 1,1-Dichloroethane	4.57	63	181455	60.07	ug/l	99
26) 2-Butanone	5.45	43	108379	302.28	ug/l	95
27) 2,2-Dichloropropane	5.43	77	183804	59.22	ug/l	99
28) cis-1,2-Dichloroethene	5.43	96	107941	63.20	ug/l	90
29) Bromochloromethane	5.79	49	64831	54.47	ug/l	99
30) Chloroform	5.98	83	226189	61.73	ug/l	98
31) Cyclohexane	6.28	56	164402	58.01	ug/l	93
32) 1,1,1-Trichloroethane	6.18	97	196739	60.31	ug/l	99
36) 1,1-Dichloropropene	6.44	75	163861	59.71	ug/l	96
37) Ethyl Acetate	5.54	43	51695	58.64	ug/l	98
38) Carbon Tetrachloride	6.42	117	166716	58.46	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.09	83	175787	63.21	ug/l	99
40) Benzene	6.73	78	419576	59.89	ug/l	96
41) Methacrylonitrile	5.76	41	32711	66.16	ug/l #	96
42) 1,2-Dichloroethane	6.84	62	134336	61.73	ug/l	97
43) Isopropyl Acetate	8.42	43	73477	63.23	ug/l #	97
44) Trichloroethene	7.75	130	105876	60.37	ug/l	99
45) 1,2-Dichloropropane	8.16	63	104639	60.29	ug/l	95
46) Dibromomethane	8.27	93	59833	60.71	ug/l	96
47) Bromodichloromethane	8.57	83	160064	61.88	ug/l	99
48) Methyl methacrylate	8.09	41	116111	65.35	ug/l	96
49) 1,4-Dioxane	8.30	88	8543	1299.88	ug/l #	80
51) 4-Methyl-2-Pentanone	9.49	43	274878	327.37	ug/l	99
52) Toluene	9.72	92	264573	61.22	ug/l	99
53) t-1,3-Dichloropropene	10.13	75	123946	64.90	ug/l	96
54) cis-1,3-Dichloropropene	9.24	75	159065	64.68	ug/l	98
55) 1,1,2-Trichloroethane	10.40	97	70445	62.96	ug/l	96
56) Ethyl methacrylate	10.24	69	67427	57.46	ug/l	99
57) 1,3-Dichloropropane	10.61	76	130403	62.67	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.04	63	154372	279.05	ug/l	96
59) 2-Hexanone	10.72	43	193551	319.06	ug/l	91
60) Dibromochloromethane	10.89	129	96176	62.63	ug/l	98
61) 1,2-Dibromoethane	11.02	107	67431	61.04	ug/l	87
64) Tetrachloroethene	10.48	164	106385	59.51	ug/l	94
65) Chlorobenzene	11.62	112	278462	59.77	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	102732	60.04	ug/l	96
67) Ethyl Benzene	11.73	91	576413	61.57	ug/l	99
68) m/p-Xylenes	11.89	106	366475	124.12	ug/l	91
69) o-Xylene	12.30	106	175662	66.09	ug/l	97
70) Styrene	12.32	104	291540	63.27	ug/l	97
71) Bromoform	12.51	173	58582	64.28	ug/l	98
73) Isopropylbenzene	12.68	105	524916	61.35	ug/l	100
74) N-amyl acetate	12.51	43	113690	52.57	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.00	83	79449	57.54	ug/l	92
76) 1,2,3-Trichloropropane	13.03	75	86665	58.67	ug/l	97
77) Bromobenzene	12.99	156	125843	58.48	ug/l	96
78) n-propylbenzene	13.08	91	725551	60.05	ug/l	97
79) 2-Chlorotoluene	13.16	91	400001	59.63	ug/l	98
80) 1,3,5-Trimethylbenzene	13.26	105	407675	59.79	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.75	75	22105	54.04	ug/l	97
82) 4-Chlorotoluene	13.28	91	468218	58.64	ug/l	99
83) tert-Butylbenzene	13.55	119	389060m	63.28	ug/l	
84) 1,2,4-Trimethylbenzene	13.60	105	413009	60.17	ug/l	98
85) sec-Butylbenzene	13.74	105	547952	60.64	ug/l	97
86) p-Isopropyltoluene	13.88	119	423842	59.68	ug/l	100
87) 1,3-Dichlorobenzene	13.85	146	235065	58.56	ug/l	98
88) 1,4-Dichlorobenzene	13.94	146	228065	57.13	ug/l	99
89) n-Butylbenzene	14.23	91	479135	59.76	ug/l	96
90) Hexachloroethane	14.48	117	97130	58.99	ug/l	96
91) 1,2-Dichlorobenzene	14.25	146	199170	59.06	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.90	75	10562	59.52	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.59	180	121068	62.35	ug/l	99
94) Hexachlorobutadiene	15.70	225	90955	56.89	ug/l	97
95) Naphthalene	15.82	128	157727	60.82	ug/l	99
96) 1,2,3-Trichlorobenzene	16.03	180	100494	61.93	ug/l	99

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

