

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092315\
 Data File : VD046850.D
 Acq On : 23 Sep 2015 12:58
 Operator : FY/SY
 Sample : VD0923SBS01
 Misc : 5.00qm/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2015 12:56:48 PM

Quant Time: Sep 24 02:02:17 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	6.28	168	178930	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.42	114	223529	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.56	117	217697	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.90	152	124263	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.70	65	97786	52.56	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.12%	
35) Dibromofluoromethane	6.19	113	91118	52.10	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.20%	
50) Toluene-d8	9.59	98	288596	52.31	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.62%	
62) 4-Bromofluorobenzene	12.84	95	118287	53.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.41	85	39600	21.78	ug/l	97
3) Chlorodifluoromethane	1.43	51	29305	18.05	ug/l #	90
4) Chloromethane	1.57	50	19598	18.58	ug/l	97
5) Vinyl Chloride	1.67	62	19219	19.40	ug/l	94
6) Bromomethane	1.97	94	19609	20.43	ug/l	95
7) Chloroethane	2.07	64	13127	21.17	ug/l	99
8) Trichlorofluoromethane	2.32	101	66080	22.55	ug/l	96
9) Diethyl Ether	2.62	74	9211	17.73	ug/l	86
10) 1,1,2-Trichlorotrifluoroet	2.88	101	36181	19.73	ug/l	98
11) Methyl Iodide	3.04	142	29413	14.99	ug/l #	83
12) Tert butyl alcohol	3.64	59	8184	100.12	ug/l #	88
13) 1,1-Dichloroethene	2.86	96	25816	18.01	ug/l	94
14) Acrolein	2.76	56	7031	73.98	ug/l	97
15) Allyl chloride	3.32	41	50312	17.29	ug/l #	79
16) Acrylonitrile	3.82	53	17637	81.19	ug/l	88
17) Acetone	2.93	43	33293	105.92	ug/l #	91
18) Carbon Disulfide	3.12	76	93494	17.41	ug/l	98
19) Methyl Acetate	3.33	43	32141	17.65	ug/l	99
20) Methyl tert-butyl Ether	3.88	73	43010	19.15	ug/l #	87
21) Methylene Chloride	3.49	84	30824	18.06	ug/l	91
22) trans-1,2-Dichloroethene	3.88	96	29729	18.39	ug/l	99
23) Diisopropyl ether	4.64	45	85418	17.68	ug/l #	87
24) Vinyl Acetate	4.59	43	83018	83.89	ug/l	99
25) 1,1-Dichloroethane	4.54	63	55281	18.57	ug/l	98
26) 2-Butanone	5.44	43	32741	92.68	ug/l #	87
27) 2,2-Dichloropropane	5.41	77	63670	20.82	ug/l	97
28) cis-1,2-Dichloroethene	5.42	96	31094	18.48	ug/l	85
29) Bromochloromethane	5.77	49	22691	19.35	ug/l	93
30) Chloroform	5.95	83	73195	20.27	ug/l	95
31) Cyclohexane	6.26	56	49442	17.70	ug/l #	84
32) 1,1,1-Trichloroethane	6.16	97	68014	21.16	ug/l	98
36) 1,1-Dichloropropene	6.41	75	53812	20.60	ug/l	99
37) Ethyl Acetate	5.52	43	15488	18.46	ug/l	99
38) Carbon Tetrachloride	6.39	117	60784	22.39	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	49116	18.56	ug/l	97
40) Benzene	6.70	78	128885	19.33	ug/l	96
41) Methacrylonitrile	5.74	41	8187	17.40	ug/l #	72
42) 1,2-Dichloroethane	6.82	62	46674	22.53	ug/l	99
43) Isopropyl Acetate	8.39	43	19000	17.18	ug/l #	88
44) Trichloroethene	7.73	130	32869	19.69	ug/l	95
45) 1,2-Dichloropropane	8.13	63	30637	18.54	ug/l	93
46) Dibromomethane	8.25	93	19266	20.54	ug/l	93
47) Bromodichloromethane	8.54	83	52834	21.46	ug/l	95
48) Methyl methacrylate	8.06	41	32439	19.18	ug/l #	86
49) 1,4-Dioxane	8.28	88	2208	352.95	ug/l #	80
51) 4-Methyl-2-Pentanone	9.47	43	72509	90.72	ug/l	99
52) Toluene	9.70	92	84818	20.62	ug/l	96
53) t-1,3-Dichloropropene	10.11	75	34755	19.12	ug/l	95
54) cis-1,3-Dichloropropene	9.21	75	45122	19.27	ug/l	96
55) 1,1,2-Trichloroethane	10.38	97	21511	20.20	ug/l	97
56) Ethyl methacrylate	10.23	69	17272	18.30	ug/l #	87
57) 1,3-Dichloropropane	10.59	76	38998	19.69	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.01	63	48536	96.41	ug/l	100
59) 2-Hexanone	10.70	43	56272	97.45	ug/l	95
60) Dibromochloromethane	10.87	129	31866	21.80	ug/l	88
61) 1,2-Dibromoethane	11.00	107	20889	19.87	ug/l	89
64) Tetrachloroethene	10.45	164	34432	19.59	ug/l	95
65) Chlorobenzene	11.60	112	91528	19.98	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.71	131	33910	20.15	ug/l	97
67) Ethyl Benzene	11.71	91	186363	20.24	ug/l	100
68) m/p-Xylenes	11.86	106	118301	40.74	ug/l	97
69) o-Xylene	12.28	106	50182	19.20	ug/l	91
70) Styrene	12.31	104	92674	20.45	ug/l	97
71) Bromoform	12.49	173	17437	19.45	ug/l	98
73) Isopropylbenzene	12.66	105	166427	19.00	ug/l	98
74) N-amyl acetate	12.49	43	30266	17.16	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.98	83	24865	17.59	ug/l	90
76) 1,2,3-Trichloropropane	13.03	75	27931	18.47	ug/l	95
77) Bromobenzene	12.97	156	39627	17.99	ug/l	89
78) n-propylbenzene	13.06	91	238099	19.25	ug/l	96
79) 2-Chlorotoluene	13.14	91	134800	19.63	ug/l	96
80) 1,3,5-Trimethylbenzene	13.24	105	133775	19.16	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.73	75	6289	17.73	ug/l #	85
82) 4-Chlorotoluene	13.26	91	156795	19.18	ug/l	100
83) tert-Butylbenzene	13.53	119	118408m	18.81	ug/l	
84) 1,2,4-Trimethylbenzene	13.58	105	138280	19.68	ug/l	97
85) sec-Butylbenzene	13.73	105	182271	19.70	ug/l	95
86) p-Isopropyltoluene	13.86	119	143075	19.68	ug/l	99
87) 1,3-Dichlorobenzene	13.83	146	78976	19.22	ug/l	98
88) 1,4-Dichlorobenzene	13.92	146	79400	19.43	ug/l	97
89) n-Butylbenzene	14.21	91	162645	19.81	ug/l	98
90) Hexachloroethane	14.46	117	31291	18.56	ug/l	100
91) 1,2-Dichlorobenzene	14.23	146	67984	19.69	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.88	75	3610	19.87	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.56	180	35515	17.87	ug/l	93
94) Hexachlorobutadiene	15.68	225	30939	18.90	ug/l	97
95) Naphthalene	15.81	128	42851	17.89	ug/l	100
96) 1,2,3-Trichlorobenzene	16.01	180	31327	18.86	ug/l	95

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

