

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092315\
 Data File : VD046851.D
 Acq On : 23 Sep 2015 13:24
 Operator : FY/SY
 Sample : VD0923SBS01
 Misc : 5.00qm/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/24/2015 12:56:53 PM

Quant Time: Sep 24 02:04:53 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	173616	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	210030	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.57	117	200123	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.90	152	112877	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.70	65	94990	52.62	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	105.24%	
35) Dibromofluoromethane	6.19	113	91249	55.53	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	111.06%	
50) Toluene-d8	9.60	98	292082	56.34	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	112.68%	
62) 4-Bromofluorobenzene	12.84	95	120063	57.52	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	115.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.41	85	42814	24.83	ug/l	99
3) Chlorodifluoromethane	1.43	51	30732	20.02	ug/l	# 90
4) Chloromethane	1.57	50	20801	20.32	ug/l	99
5) Vinyl Chloride	1.67	62	20701	21.54	ug/l	94
6) Bromomethane	1.96	94	21615	23.82	ug/l	93
7) Chloroethane	2.07	64	13476	22.40	ug/l	99
8) Trichlorofluoromethane	2.32	101	68594	24.12	ug/l	93
9) Diethyl Ether	2.63	74	10062	19.96	ug/l	74
10) 1,1,2-Trichlorotrifluoroet	2.88	101	37024	20.81	ug/l	94
11) Methyl Iodide	3.04	142	39027	19.87	ug/l	92
12) Tert butyl alcohol	3.67	59	7348	85.10	ug/l	96
13) 1,1-Dichloroethene	2.86	96	29665	21.33	ug/l	84
14) Acrolein	2.76	56	6688	72.52	ug/l	# 82
15) Allyl chloride	3.32	41	55118	19.52	ug/l	# 78
16) Acrylonitrile	3.82	53	18389	87.25	ug/l	92
17) Acetone	2.93	43	30756	100.84	ug/l	# 90
18) Carbon Disulfide	3.12	76	101624	19.50	ug/l	100
19) Methyl Acetate	3.33	43	32888	18.61	ug/l	96
20) Methyl tert-butyl Ether	3.89	73	44364	20.36	ug/l	91
21) Methylene Chloride	3.49	84	31648	19.11	ug/l	91
22) trans-1,2-Dichloroethene	3.88	96	32235	20.55	ug/l	94
23) Diisopropyl ether	4.64	45	92487	19.73	ug/l	# 87
24) Vinyl Acetate	4.59	43	83493	86.41	ug/l	# 96
25) 1,1-Dichloroethane	4.54	63	59820	20.71	ug/l	99
26) 2-Butanone	5.43	43	33973	99.11	ug/l	98
27) 2,2-Dichloropropane	5.41	77	66800	22.51	ug/l	91
28) cis-1,2-Dichloroethene	5.41	96	32464	19.88	ug/l	93
29) Bromochloromethane	5.77	49	22103	19.42	ug/l	# 93
30) Chloroform	5.96	83	77565	22.14	ug/l	98
31) Cyclohexane	6.26	56	52252	19.28	ug/l	87
32) 1,1,1-Trichloroethane	6.16	97	71102	22.80	ug/l	98
36) 1,1-Dichloropropene	6.41	75	55680	22.68	ug/l	97
37) Ethyl Acetate	5.53	43	16429	20.84	ug/l	# 96
38) Carbon Tetrachloride	6.39	117	62028	24.32	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	53348	21.45	ug/l	94
40) Benzene	6.71	78	136045	21.71	ug/l	97
41) Methacrylonitrile	5.75	41	9101	20.58	ug/l #	92
42) 1,2-Dichloroethane	6.81	62	46308	23.79	ug/l	97
43) Isopropyl Acetate	8.39	43	20237	19.47	ug/l #	93
44) Trichloroethene	7.73	130	37774	24.08	ug/l	94
45) 1,2-Dichloropropane	8.13	63	30480	19.63	ug/l	91
46) Dibromomethane	8.25	93	18978	21.53	ug/l	93
47) Bromodichloromethane	8.55	83	53982	23.33	ug/l	97
48) Methyl methacrylate	8.07	41	35241	22.18	ug/l	90
49) 1,4-Dioxane	8.27	88	2140	364.07	ug/l #	90
51) 4-Methyl-2-Pentanone	9.47	43	73878	98.38	ug/l	93
52) Toluene	9.70	92	90258	23.35	ug/l	97
53) t-1,3-Dichloropropene	10.11	75	37406	21.90	ug/l #	87
54) cis-1,3-Dichloropropene	9.22	75	47878	21.77	ug/l #	92
55) 1,1,2-Trichloroethane	10.38	97	22954	22.94	ug/l	91
56) Ethyl methacrylate	10.23	69	17223	19.18	ug/l	96
57) 1,3-Dichloropropane	10.59	76	39900	21.44	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.01	63	45950	97.09	ug/l	97
59) 2-Hexanone	10.70	43	55488	102.27	ug/l	97
60) Dibromochloromethane	10.87	129	31650	23.04	ug/l	97
61) 1,2-Dibromoethane	11.00	107	21656	21.92	ug/l	97
64) Tetrachloroethene	10.45	164	36764	22.75	ug/l	92
65) Chlorobenzene	11.60	112	93988	22.31	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.71	131	36133	23.36	ug/l	98
67) Ethyl Benzene	11.72	91	196017	23.16	ug/l	99
68) m/p-Xylenes	11.87	106	128043	47.97	ug/l	94
69) o-Xylene	12.28	106	56071	23.34	ug/l	95
70) Styrene	12.31	104	97781	23.47	ug/l	95
71) Bromoform	12.49	173	17549	21.30	ug/l	92
73) Isopropylbenzene	12.66	105	177683	22.33	ug/l	99
74) N-amyl acetate	12.49	43	30771	18.64	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.98	83	26582	20.70	ug/l	97
76) 1,2,3-Trichloropropane	13.02	75	28088	20.45	ug/l	99
77) Bromobenzene	12.97	156	43206	21.59	ug/l	92
78) n-propylbenzene	13.06	91	249135	22.17	ug/l	98
79) 2-Chlorotoluene	13.14	91	137516	22.04	ug/l	99
80) 1,3,5-Trimethylbenzene	13.24	105	141592	22.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.73	75	6421	19.47	ug/l	89
82) 4-Chlorotoluene	13.26	91	169545	22.83	ug/l	95
83) tert-Butylbenzene	13.53	119	128572m	22.49	ug/l	
84) 1,2,4-Trimethylbenzene	13.58	105	146057	22.88	ug/l	97
85) sec-Butylbenzene	13.72	105	191227	22.76	ug/l	95
86) p-Isopropyltoluene	13.86	119	154360	23.37	ug/l	99
87) 1,3-Dichlorobenzene	13.83	146	81721	21.89	ug/l	98
88) 1,4-Dichlorobenzene	13.93	146	80500	21.68	ug/l	96
89) n-Butylbenzene	14.21	91	173927	23.33	ug/l	99
90) Hexachloroethane	14.46	117	33474	21.86	ug/l	91
91) 1,2-Dichlorobenzene	14.23	146	69851	22.27	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.89	75	2986	18.09	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.57	180	39438	21.84	ug/l	98
94) Hexachlorobutadiene	15.68	225	33736	22.69	ug/l	99
95) Naphthalene	15.81	128	44700	20.19	ug/l	97
96) 1,2,3-Trichlorobenzene	16.01	180	33355	22.10	ug/l	98

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

