

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046795.D
 Acq On : 18 Sep 2015 21:34
 Operator : FY/SY
 Sample : G3707-04LOQ 10ppb
 Misc : 5.00gm/5mL/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL2015-02

Manual Integrations
 APPROVED

MMDadoda
 9/21/2015 11:39:29 AM

Quant Time: Sep 19 01:07:40 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	177674	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	240072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	231306	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	120929	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.72	65	103399	55.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.94%	
35) Dibromofluoromethane	6.21	113	98921	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	
50) Toluene-d8	9.62	98	321263	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
62) 4-Bromofluorobenzene	12.85	95	126272	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.42	85	20670	9.09	ug/l	96
3) Chlorodifluoromethane	1.44	51	17525	8.37	ug/l	94
4) Chloromethane	1.58	50	11841	11.31	ug/l	97
5) Vinyl Chloride	1.68	62	10912	11.09	ug/l	99
6) Bromomethane	1.98	94	11738	10.54	ug/l	92
7) Chloroethane	2.08	64	7299	11.85	ug/l	92
8) Trichlorofluoromethane	2.33	101	32601	11.20	ug/l	94
9) Diethyl Ether	2.64	74	5702	11.05	ug/l	91
10) 1,1,2-Trichlorotrifluoroet	2.89	101	20057	11.02	ug/l #	87
11) Methyl Iodide	3.06	142	15392	8.72	ug/l	98
12) Tert butyl alcohol	3.67	59	6000	47.48	ug/l #	74
13) 1,1-Dichloroethene	2.88	96	14366	10.09	ug/l	96
14) Acrolein	2.78	56	2652	28.10	ug/l #	80
15) Allyl chloride	3.33	41	28446	9.84	ug/l	86
16) Acrylonitrile	3.85	53	11510	53.36	ug/l #	96
17) Acetone	2.95	43	16021	51.33	ug/l	94
18) Carbon Disulfide	3.13	76	57470	10.78	ug/l #	94
19) Methyl Acetate	3.34	43	21487	11.88	ug/l	96
20) Methyl tert-butyl Ether	3.91	73	22555	10.11	ug/l #	87
21) Methylene Chloride	3.51	84	21819	12.87	ug/l #	87
22) trans-1,2-Dichloroethene	3.90	96	16989	10.58	ug/l	89
23) Diisopropyl ether	4.66	45	49891	10.40	ug/l #	85
24) Vinyl Acetate	4.61	43	37280	46.15	ug/l #	96
25) 1,1-Dichloroethane	4.57	63	32367	10.95	ug/l	98
26) 2-Butanone	5.45	43	18280	52.11	ug/l	97
27) 2,2-Dichloropropane	5.42	77	31462	10.36	ug/l	97
28) cis-1,2-Dichloroethene	5.43	96	18340	10.97	ug/l	94
29) Bromochloromethane	5.79	49	13253	11.38	ug/l	98
30) Chloroform	5.98	83	40890	11.41	ug/l	96
31) Cyclohexane	6.28	56	28879	10.41	ug/l #	88
32) 1,1,1-Trichloroethane	6.18	97	35175	11.02	ug/l	96
36) 1,1-Dichloropropene	6.43	75	28952	10.32	ug/l #	93
37) Ethyl Acetate	5.54	43	9100	10.10	ug/l #	93
38) Carbon Tetrachloride	6.41	117	29627	10.16	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.09	83	24667	8.68	ug/l	93
40) Benzene	6.73	78	77458	10.82	ug/l	98
41) Methacrylonitrile	5.76	41	4959	9.81	ug/l #	83
42) 1,2-Dichloroethane	6.83	62	23625	10.62	ug/l	97
43) Isopropyl Acetate	8.41	43	10653	8.97	ug/l #	95
44) Trichloroethene	7.75	130	18122	10.11	ug/l	91
45) 1,2-Dichloropropane	8.15	63	19019	10.72	ug/l	100
46) Dibromomethane	8.27	93	10904	10.82	ug/l	89
47) Bromodichloromethane	8.57	83	27409	10.37	ug/l #	96
48) Methyl methacrylate	8.09	41	16754	9.22	ug/l	93
49) 1,4-Dioxane	8.30	88	1402	208.67	ug/l	95
51) 4-Methyl-2-Pentanone	9.49	43	40031	46.63	ug/l	98
52) Toluene	9.72	92	45623	10.33	ug/l	91
53) t-1,3-Dichloropropene	10.13	75	18034	9.24	ug/l	92
54) cis-1,3-Dichloropropene	9.23	75	23951	9.53	ug/l	93
55) 1,1,2-Trichloroethane	10.40	97	12601	11.02	ug/l	99
56) Ethyl methacrylate	10.24	69	8035	10.12	ug/l	96
57) 1,3-Dichloropropane	10.61	76	21667	10.19	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.03	63	21970	44.29	ug/l	95
59) 2-Hexanone	10.72	43	27902	44.99	ug/l	94
60) Dibromochloromethane	10.89	129	16167	10.30	ug/l	90
61) 1,2-Dibromoethane	11.02	107	11881	10.52	ug/l	93
64) Tetrachloroethene	10.47	164	18586	9.95	ug/l	97
65) Chlorobenzene	11.61	112	49843	10.24	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.72	131	17993	10.06	ug/l	96
67) Ethyl Benzene	11.73	91	94506	9.66	ug/l	97
68) m/p-Xylenes	11.88	106	60236	19.52	ug/l	88
69) o-Xylene	12.30	106	24918	8.97	ug/l	87
70) Styrene	12.31	104	46742	9.71	ug/l	98
71) Bromoform	12.50	173	9431	9.90	ug/l	87
73) Isopropylbenzene	12.67	105	80311	9.42	ug/l	92
74) N-amyl acetate	12.50	43	13533	10.43	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.99	83	14780	10.74	ug/l	99
76) 1,2,3-Trichloropropane	13.03	75	14730	10.01	ug/l	96
77) Bromobenzene	12.98	156	21351	9.96	ug/l	86
78) n-propylbenzene	13.08	91	117864	9.79	ug/l	98
79) 2-Chlorotoluene	13.16	91	65589	9.81	ug/l	99
80) 1,3,5-Trimethylbenzene	13.25	105	64920	9.56	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.74	75	3183	11.03	ug/l	86
82) 4-Chlorotoluene	13.28	91	80849	10.16	ug/l	99
83) tert-Butylbenzene	13.54	119	56251m	9.18	ug/l	
84) 1,2,4-Trimethylbenzene	13.60	105	66252	9.69	ug/l	100
85) sec-Butylbenzene	13.73	105	87526	9.72	ug/l	94
86) p-Isopropyltoluene	13.87	119	68166	9.63	ug/l	94
87) 1,3-Dichlorobenzene	13.84	146	40406	10.10	ug/l	96
88) 1,4-Dichlorobenzene	13.94	146	41232	10.37	ug/l	98
89) n-Butylbenzene	14.22	91	73696	9.23	ug/l	98
90) Hexachloroethane	14.48	117	16312	9.94	ug/l	98
91) 1,2-Dichlorobenzene	14.24	146	35051	10.43	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.90	75	1784	10.09	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	18607	9.62	ug/l	99
94) Hexachlorobutadiene	15.69	225	15377	9.65	ug/l	95
95) Naphthalene	15.82	128	19721	9.71	ug/l #	94
96) 1,2,3-Trichlorobenzene	16.02	180	15432	9.55	ug/l	97

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

