

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046778.D
 Acq On : 18 Sep 2015 11:30
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00gm/5mL/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/21/2015 11:38:24 AM

Quant Time: Sep 18 15:37:48 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:39:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.30	168	202646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	263267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	241890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	128472	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.72	65	11168	5.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.60%	
35) Dibromofluoromethane	6.21	113	10180	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
50) Toluene-d8	9.61	98	27808	4.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.56%	
62) 4-Bromofluorobenzene	12.85	95	12513	4.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.56%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.42	85	15396	4.21	ug/l	96
3) Chlorodifluoromethane	1.43	51	14410	4.28	ug/l	95
4) Chloromethane	1.58	50	6931	5.80	ug/l	93
5) Vinyl Chloride	1.68	62	6408	2.99	ug/l	93
6) Bromomethane	1.97	94	7258	3.66	ug/l	93
7) Chloroethane	2.08	64	4250	6.05	ug/l	98
8) Trichlorofluoromethane	2.33	101	19499	5.88	ug/l	95
9) Diethyl Ether	2.62	74	2673	4.54	ug/l	91
10) 1,1,2-Trichlorotrifluoroet	2.89	101	11561	5.57	ug/l	91
11) Methyl Iodide	3.05	142	7633	4.77	ug/l	94
12) Tert butyl alcohol	3.65	59	4839	3.97	ug/l #	74
13) 1,1-Dichloroethene	2.88	96	7743	4.77	ug/l	92
14) Acrolein	2.78	56	2576	23.93	ug/l	98
15) Allyl chloride	3.33	41	15092	4.58	ug/l	90
16) Acrylonitrile	3.85	53	5817	23.65	ug/l	87
17) Acetone	2.95	43	10212	28.69	ug/l #	89
18) Carbon Disulfide	3.13	76	33330	5.48	ug/l	100
19) Methyl Acetate	3.33	43	9902	4.80	ug/l	94
20) Methyl tert-butyl Ether	3.90	73	11258	4.43	ug/l #	82
21) Methylene Chloride	3.50	84	10797	5.59	ug/l	92
22) trans-1,2-Dichloroethene	3.90	96	8817	4.82	ug/l	96
23) Diisopropyl ether	4.66	45	21935	4.01	ug/l #	83
24) Vinyl Acetate	4.61	43	19545	29.31	ug/l #	96
25) 1,1-Dichloroethane	4.56	63	17082	5.07	ug/l	99
26) 2-Butanone	5.45	43	9266	23.16	ug/l #	92
27) 2,2-Dichloropropane	5.42	77	18482	5.34	ug/l	93
28) cis-1,2-Dichloroethene	5.42	96	9022	4.73	ug/l	94
29) Bromochloromethane	5.79	49	6735	5.07	ug/l	93
30) Chloroform	5.97	83	21361	5.22	ug/l	99
31) Cyclohexane	6.27	56	18059	5.71	ug/l #	91
32) 1,1,1-Trichloroethane	6.18	97	18899	5.19	ug/l	97
36) 1,1-Dichloropropene	6.43	75	15981	5.19	ug/l	94
37) Ethyl Acetate	5.55	43	4840	3.97	ug/l #	95
38) Carbon Tetrachloride	6.41	117	16788	5.25	ug/l #	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.08	83	13193	4.23	ug/l	95
40) Benzene	6.72	78	40135	5.11	ug/l	100
41) Methacrylonitrile	5.76	41	2055	3.71	ug/l	93
42) 1,2-Dichloroethane	6.83	62	12448	5.10	ug/l	92
43) Isopropyl Acetate	8.41	43	5403	4.15	ug/l #	100
44) Trichloroethene	7.75	130	9458	4.81	ug/l	90
45) 1,2-Dichloropropane	8.14	63	9736	5.00	ug/l	99
46) Dibromomethane	8.27	93	5601	5.07	ug/l	90
47) Bromodichloromethane	8.56	83	14687	5.06	ug/l	95
48) Methyl methacrylate	8.09	41	8008	4.02	ug/l #	84
49) 1,4-Dioxane	8.32	88	684	92.83	ug/l #	81
51) 4-Methyl-2-Pentanone	9.49	43	18231	19.37	ug/l	90
52) Toluene	9.72	92	21427	4.42	ug/l	99
53) t-1,3-Dichloropropene	10.12	75	8596	4.01	ug/l	91
54) cis-1,3-Dichloropropene	9.23	75	11640	4.22	ug/l #	74
55) 1,1,2-Trichloroethane	10.40	97	6600	5.26	ug/l	94
56) Ethyl methacrylate	10.23	69	4219	6.86	ug/l	84
57) 1,3-Dichloropropane	10.61	76	11178	4.79	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.03	63	10836	19.24	ug/l	100
59) 2-Hexanone	10.71	43	13161	29.88	ug/l	99
60) Dibromochloromethane	10.89	129	8316	4.83	ug/l	94
61) 1,2-Dibromoethane	11.02	107	6157	4.97	ug/l	89
64) Tetrachloroethene	10.47	164	9580	4.90	ug/l	93
65) Chlorobenzene	11.60	112	26343	5.17	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.72	131	9543	5.10	ug/l	94
67) Ethyl Benzene	11.73	91	47338	4.63	ug/l	95
68) m/p-Xylenes	11.88	106	29258	9.07	ug/l	95
69) o-Xylene	12.29	106	11572	3.98	ug/l	100
70) Styrene	12.31	104	21793	4.33	ug/l	94
71) Bromoform	12.50	173	4583	4.60	ug/l #	95
73) Isopropylbenzene	12.67	105	36268	4.00	ug/l	96
74) N-amyl acetate	12.50	43	6979	7.49	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.98	83	7356	5.03	ug/l	92
76) 1,2,3-Trichloropropane	13.03	75	7478	4.78	ug/l	87
77) Bromobenzene	12.97	156	10546	4.63	ug/l	80
78) n-propylbenzene	13.08	91	55156	4.31	ug/l	98
79) 2-Chlorotoluene	13.16	91	31859	4.49	ug/l	97
80) 1,3,5-Trimethylbenzene	13.25	105	30908	4.28	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.74	75	1413	6.80	ug/l #	52
82) 4-Chlorotoluene	13.27	91	39695	4.70	ug/l	94
83) tert-Butylbenzene	13.54	119	25572m	3.81	ug/l	
84) 1,2,4-Trimethylbenzene	13.60	105	31563	4.34	ug/l	98
85) sec-Butylbenzene	13.73	105	41128	4.30	ug/l	99
86) p-Isopropyltoluene	13.87	119	31916	4.25	ug/l	95
87) 1,3-Dichlorobenzene	13.84	146	21382	5.03	ug/l	97
88) 1,4-Dichlorobenzene	13.94	146	22397	5.30	ug/l	96
89) n-Butylbenzene	14.22	91	35409	4.17	ug/l	99
90) Hexachloroethane	14.48	117	8589	4.93	ug/l	96
91) 1,2-Dichlorobenzene	14.24	146	18048	5.06	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	14.90	75	895	5.19	ug/l	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	9245	4.50	ug/l	93
94) Hexachlorobutadiene	15.69	225	8761	5.18	ug/l	97
95) Naphthalene	15.82	128	8964	5.52	ug/l #	93
96) 1,2,3-Trichlorobenzene	16.02	180	7848	4.57	ug/l	93

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

