

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046786.D
 Acq On : 18 Sep 2015 16:58
 Operator : FY/SY
 Sample : VD0918SBS01
 Misc : 5.00gm/5mL/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0918SBS01

Manual Integrations
 APPROVED

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

Quant Time: Sep 18 19:14:10 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	6.32	168	199045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	248791	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	240104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	127980	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.72	65	105094	50.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.56%	
35) Dibromofluoromethane	6.22	113	105527	54.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.42%	
50) Toluene-d8	9.62	98	351187	57.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.38%	
62) 4-Bromofluorobenzene	12.85	95	139197	56.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.60%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.42	85	44125	21.82	ug/l	99
3) Chlorodifluoromethane	1.44	51	34525	19.49	ug/l #	93
4) Chloromethane	1.58	50	24792	21.13	ug/l	99
5) Vinyl Chloride	1.68	62	22729	20.63	ug/l	98
6) Bromomethane	1.98	94	22621	21.35	ug/l	98
7) Chloroethane	2.09	64	13884	20.13	ug/l	89
8) Trichlorofluoromethane	2.33	101	66419	20.38	ug/l	99
9) Diethyl Ether	2.64	74	12649	21.89	ug/l	75
10) 1,1,2-Trichlorotrifluoroet	2.90	101	42369	20.77	ug/l	96
11) Methyl Iodide	3.05	142	33873	15.46	ug/l	97
12) Tert butyl alcohol	3.68	59	9612	111.35	ug/l #	85
13) 1,1-Dichloroethene	2.89	96	33856	21.23	ug/l	90
14) Acrolein	2.79	56	10249	96.94	ug/l	97
15) Allyl chloride	3.34	41	67972	20.99	ug/l	96
16) Acrylonitrile	3.85	53	24694	102.19	ug/l	96
17) Acetone	2.96	43	36927	105.60	ug/l	99
18) Carbon Disulfide	3.13	76	121411	20.32	ug/l	99
19) Methyl Acetate	3.34	43	40641	20.06	ug/l	94
20) Methyl tert-butyl Ether	3.91	73	52131	20.87	ug/l	92
21) Methylene Chloride	3.51	84	40977	21.58	ug/l	94
22) trans-1,2-Dichloroethene	3.90	96	38254	21.27	ug/l	89
23) Diisopropyl ether	4.66	45	111844	20.81	ug/l #	89
24) Vinyl Acetate	4.61	43	106203	94.23	ug/l	97
25) 1,1-Dichloroethane	4.56	63	66702	20.15	ug/l	99
26) 2-Butanone	5.46	43	40360	102.70	ug/l #	92
27) 2,2-Dichloropropane	5.43	77	67516	19.85	ug/l	99
28) cis-1,2-Dichloroethene	5.44	96	38652	20.65	ug/l	88
29) Bromochloromethane	5.79	49	26687	20.46	ug/l	95
30) Chloroform	5.98	83	80849	20.13	ug/l	94
31) Cyclohexane	6.28	56	64846	20.87	ug/l	97
32) 1,1,1-Trichloroethane	6.19	97	73326	20.51	ug/l	94
36) 1,1-Dichloropropene	6.44	75	61158	21.03	ug/l	98
37) Ethyl Acetate	5.56	43	19713	21.11	ug/l #	93
38) Carbon Tetrachloride	6.42	117	63135	20.90	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.09	83	64156	21.78	ug/l	95
40) Benzene	6.73	78	155606	20.97	ug/l	99
41) Methacrylonitrile	5.78	41	10768	20.56	ug/l #	85
42) 1,2-Dichloroethane	6.84	62	49757	21.58	ug/l	100
43) Isopropyl Acetate	8.43	43	26582	21.59	ug/l #	91
44) Trichloroethene	7.76	130	39461	21.24	ug/l	98
45) 1,2-Dichloropropane	8.15	63	37671	20.49	ug/l	98
46) Dibromomethane	8.28	93	21747	20.83	ug/l	94
47) Bromodichloromethane	8.56	83	59008	21.53	ug/l	96
48) Methyl methacrylate	8.09	41	41292	21.94	ug/l	99
49) 1,4-Dioxane	8.30	88	2919	419.23	ug/l	87
51) 4-Methyl-2-Pentanone	9.49	43	96424	108.39	ug/l	92
52) Toluene	9.73	92	97836	21.37	ug/l	97
53) t-1,3-Dichloropropene	10.13	75	42337	20.92	ug/l	98
54) cis-1,3-Dichloropropene	9.24	75	55044	21.13	ug/l	93
55) 1,1,2-Trichloroethane	10.41	97	25305	21.35	ug/l	98
56) Ethyl methacrylate	10.25	69	22120	20.47	ug/l	92
57) 1,3-Dichloropropane	10.62	76	46075	20.90	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.04	63	60016	106.41	ug/l	100
59) 2-Hexanone	10.71	43	68114	105.98	ug/l	95
60) Dibromochloromethane	10.89	129	33866	20.82	ug/l	99
61) 1,2-Dibromoethane	11.02	107	24395	20.84	ug/l	92
64) Tetrachloroethene	10.48	164	40373	20.82	ug/l	95
65) Chlorobenzene	11.61	112	105659	20.91	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	36913	19.89	ug/l	98
67) Ethyl Benzene	11.74	91	217133	21.38	ug/l	98
68) m/p-Xylenes	11.89	106	138692	43.31	ug/l	94
69) o-Xylene	12.29	106	62613	21.72	ug/l	94
70) Styrene	12.32	104	106792	21.37	ug/l	97
71) Bromoform	12.51	173	20196	20.43	ug/l	96
73) Isopropylbenzene	12.68	105	194899	21.60	ug/l	97
74) N-amyl acetate	12.51	43	38656	20.14	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.99	83	30223	20.76	ug/l	90
76) 1,2,3-Trichloropropane	13.04	75	31245	20.06	ug/l	97
77) Bromobenzene	12.98	156	47096	20.76	ug/l	92
78) n-propylbenzene	13.08	91	276637	21.71	ug/l	96
79) 2-Chlorotoluene	13.17	91	135224	19.12	ug/l	97
80) 1,3,5-Trimethylbenzene	13.26	105	153030	21.29	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.74	75	7542	20.03	ug/l	93
82) 4-Chlorotoluene	13.28	91	175584	20.86	ug/l	98
83) tert-Butylbenzene	13.54	119	127413m	19.66	ug/l	
84) 1,2,4-Trimethylbenzene	13.59	105	153353	21.19	ug/l	97
85) sec-Butylbenzene	13.74	105	205341	21.55	ug/l	98
86) p-Isopropyltoluene	13.88	119	162851	21.75	ug/l	99
87) 1,3-Dichlorobenzene	13.85	146	88333	20.87	ug/l	96
88) 1,4-Dichlorobenzene	13.94	146	89308	21.22	ug/l	97
89) n-Butylbenzene	14.22	91	183660	21.72	ug/l	99
90) Hexachloroethane	14.48	117	36718	21.15	ug/l	88
91) 1,2-Dichlorobenzene	14.24	146	76491	21.51	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.89	75	3778	20.19	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	43172	21.09	ug/l	93
94) Hexachlorobutadiene	15.69	225	35477	21.05	ug/l	99
95) Naphthalene	15.83	128	50610	20.16	ug/l	99
96) 1,2,3-Trichlorobenzene	16.03	180	36410	21.28	ug/l	99

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

