

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
 Data File : VD046801.D
 Acq On : 21 Sep 2015 12:34
 Operator : FY/SY
 Sample : VD0921SBS01
 Misc : 5.00gm/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 12:41:14 PM

Quant Time: Sep 22 01:40:19 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	198193	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	249022	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.57	117	237771	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.90	152	127403	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.70	65	111572	54.14	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.28%	
35) Dibromofluoromethane	6.19	113	102786	52.76	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.52%	
50) Toluene-d8	9.60	98	366456	59.62	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	119.24%	
62) 4-Bromofluorobenzene	12.84	95	144629	58.44	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	116.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.41	85	44245	22.01	ug/l	97
3) Chlorodifluoromethane	1.43	51	35556	20.37	ug/l #	92
4) Chloromethane	1.57	50	23812	20.38	ug/l	99
5) Vinyl Chloride	1.67	62	23456	21.38	ug/l	97
6) Bromomethane	1.96	94	22687	21.54	ug/l	98
7) Chloroethane	2.07	64	14475	21.07	ug/l	97
8) Trichlorofluoromethane	2.32	101	67812	20.89	ug/l	100
9) Diethyl Ether	2.63	74	10954	19.04	ug/l	90
10) 1,1,2-Trichlorotrifluoroet	2.88	101	42157	20.76	ug/l	96
11) Methyl Iodide	3.04	142	43707	19.52	ug/l	93
12) Tert butyl alcohol	3.65	59	8223	81.44	ug/l #	91
13) 1,1-Dichloroethene	2.87	96	33557	21.13	ug/l	97
14) Acrolein	2.77	56	10136	96.28	ug/l #	82
15) Allyl chloride	3.32	41	65488	20.31	ug/l	90
16) Acrylonitrile	3.83	53	24046	99.94	ug/l	99
17) Acetone	2.93	43	33817	97.13	ug/l	98
18) Carbon Disulfide	3.12	76	119051	20.01	ug/l	96
19) Methyl Acetate	3.33	43	39476	19.57	ug/l	100
20) Methyl tert-butyl Ether	3.89	73	51923	20.87	ug/l	93
21) Methylene Chloride	3.49	84	38298	20.26	ug/l	91
22) trans-1,2-Dichloroethene	3.88	96	36897	20.61	ug/l	97
23) Diisopropyl ether	4.64	45	109354	20.43	ug/l	94
24) Vinyl Acetate	4.59	43	109054m	96.70	ug/l	
25) 1,1-Dichloroethane	4.55	63	67828	20.57	ug/l	99
26) 2-Butanone	5.44	43	39736	101.54	ug/l	97
27) 2,2-Dichloropropane	5.41	77	69427	20.50	ug/l	97
28) cis-1,2-Dichloroethene	5.41	96	38530	20.67	ug/l	97
29) Bromochloromethane	5.77	49	27054	20.83	ug/l #	93
30) Chloroform	5.96	83	82795	20.70	ug/l	97
31) Cyclohexane	6.26	56	61805	19.98	ug/l	88
32) 1,1,1-Trichloroethane	6.16	97	74075	20.80	ug/l	98
36) 1,1-Dichloropropene	6.41	75	60085	20.65	ug/l	99
37) Ethyl Acetate	5.53	43	17766	19.01	ug/l #	97
38) Carbon Tetrachloride	6.40	117	62396	20.63	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	62718	21.27	ug/l	99
40) Benzene	6.71	78	152445	20.52	ug/l	99
41) Methacrylonitrile	5.75	41	10578	20.17	ug/l #	95
42) 1,2-Dichloroethane	6.81	62	47968	20.79	ug/l	98
43) Isopropyl Acetate	8.39	43	23704	19.24	ug/l #	96
44) Trichloroethene	7.73	130	37860	20.36	ug/l	92
45) 1,2-Dichloropropane	8.13	63	37734	20.50	ug/l	99
46) Dibromomethane	8.25	93	21264	20.35	ug/l	95
47) Bromodichloromethane	8.55	83	55302	20.16	ug/l	97
48) Methyl methacrylate	8.07	41	38039	20.19	ug/l	97
49) 1,4-Dioxane	8.28	88	2765	396.74	ug/l #	65
51) 4-Methyl-2-Pentanone	9.47	43	89884	100.95	ug/l	97
52) Toluene	9.70	92	100113	21.85	ug/l	95
53) t-1,3-Dichloropropene	10.11	75	40117	19.81	ug/l	98
54) cis-1,3-Dichloropropene	9.22	75	53865	20.65	ug/l	94
55) 1,1,2-Trichloroethane	10.38	97	25078	21.14	ug/l	99
56) Ethyl methacrylate	10.23	69	20758	19.43	ug/l	93
57) 1,3-Dichloropropane	10.59	76	44942	20.37	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.02	63	59547	105.53	ug/l	97
59) 2-Hexanone	10.70	43	65971	102.55	ug/l	95
60) Dibromochloromethane	10.88	129	33835	20.78	ug/l	92
61) 1,2-Dibromoethane	11.00	107	23925	20.42	ug/l	96
64) Tetrachloroethene	10.46	164	39505	20.57	ug/l	96
65) Chlorobenzene	11.60	112	103230	20.63	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.71	131	37767	20.55	ug/l	99
67) Ethyl Benzene	11.72	91	208422	20.73	ug/l	96
68) m/p-Xylenes	11.87	106	134281	42.34	ug/l	89
69) o-Xylene	12.28	106	61777	21.64	ug/l	93
70) Styrene	12.31	104	105358	21.29	ug/l	99
71) Bromoform	12.49	173	19868	20.30	ug/l	99
73) Isopropylbenzene	12.66	105	188619	21.00	ug/l	94
74) N-amyl acetate	12.49	43	35015	18.75	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.98	83	28429	19.61	ug/l	97
76) 1,2,3-Trichloropropane	13.02	75	29963	19.32	ug/l	90
77) Bromobenzene	12.97	156	45588	20.18	ug/l	89
78) n-propylbenzene	13.06	91	268276	21.15	ug/l	96
79) 2-Chlorotoluene	13.14	91	145395	20.65	ug/l	97
80) 1,3,5-Trimethylbenzene	13.24	105	148433	20.74	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.73	75	7003	18.94	ug/l	95
82) 4-Chlorotoluene	13.26	91	176334	21.04	ug/l	97
83) tert-Butylbenzene	13.53	119	134732m	20.88	ug/l	
84) 1,2,4-Trimethylbenzene	13.59	105	149063	20.69	ug/l	98
85) sec-Butylbenzene	13.72	105	202293	21.33	ug/l	96
86) p-Isopropyltoluene	13.86	119	158457	21.26	ug/l	98
87) 1,3-Dichlorobenzene	13.83	146	87821	20.84	ug/l	99
88) 1,4-Dichlorobenzene	13.93	146	85416	20.38	ug/l	97
89) n-Butylbenzene	14.21	91	184172	21.88	ug/l	100
90) Hexachloroethane	14.47	117	35692	20.65	ug/l	95
91) 1,2-Dichlorobenzene	14.23	146	72799	20.57	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.88	75	3711	19.92	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.57	180	43237	21.21	ug/l	100
94) Hexachlorobutadiene	15.68	225	35113	20.93	ug/l	98
95) Naphthalene	15.81	128	48732	19.58	ug/l	98
96) 1,2,3-Trichlorobenzene	16.01	180	36172	21.24	ug/l	95

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

