

Data Path : W:\HPCHEM1\MSVOA_D\DATA\VD091815\
 Data File : VD046780.D
 Acq On : 18 Sep 2015 12:48
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00gm/5mL/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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

Quant Time: Sep 18 13:43:49 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 13:41:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.31	168	209685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	269316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	250644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	133399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.72	65	43607	21.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.26%	
35) Dibromofluoromethane	6.22	113	42662	20.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.00%	
50) Toluene-d8	9.62	98	134720	20.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.66%	
62) 4-Bromofluorobenzene	12.85	95	53737	23.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.43	85	45690	18.92	ug/l	100
3) Chlorodifluoromethane	1.44	51	38035	17.84	ug/l	94
4) Chloromethane	1.57	50	24848	16.97	ug/l	95
5) Vinyl Chloride	1.68	62	24175	18.37	ug/l	94
6) Bromomethane	1.98	94	21504	18.51	ug/l	90
7) Chloroethane	2.09	64	14198	18.23	ug/l	91
8) Trichlorofluoromethane	2.32	101	67312	20.42	ug/l	99
9) Diethyl Ether	2.63	74	11470	16.74	ug/l	93
10) 1,1,2-Trichlorotrifluoroet	2.90	101	42997	18.97	ug/l	97
11) Methyl Iodide	3.05	142	45037	17.06	ug/l	90
12) Tert butyl alcohol	3.67	59	10943	209.55	ug/l #	82
13) 1,1-Dichloroethene	2.88	96	34716	18.71	ug/l	98
14) Acrolein	2.79	56	11045	99.43	ug/l	85
15) Allyl chloride	3.33	41	68540	17.07	ug/l	88
16) Acrylonitrile	3.84	53	24658	84.23	ug/l	91
17) Acetone	2.94	43	34494	86.09	ug/l	94
18) Carbon Disulfide	3.13	76	129852	17.54	ug/l	99
19) Methyl Acetate	3.34	43	42805	17.82	ug/l	100
20) Methyl tert-butyl Ether	3.90	73	50766	18.08	ug/l	96
21) Methylene Chloride	3.51	84	39638	18.34	ug/l	92
22) trans-1,2-Dichloroethene	3.89	96	38261	18.06	ug/l	97
23) Diisopropyl ether	4.66	45	112876	16.85	ug/l	92
24) Vinyl Acetate	4.60	43	106397	79.61	ug/l	98
25) 1,1-Dichloroethane	4.56	63	69716	18.05	ug/l	99
26) 2-Butanone	5.46	43	39295	83.76	ug/l	100
27) 2,2-Dichloropropane	5.43	77	68714	19.01	ug/l	98
28) cis-1,2-Dichloroethene	5.44	96	40115	18.51	ug/l	82
29) Bromochloromethane	5.79	49	29583	19.37	ug/l	99
30) Chloroform	5.97	83	83731	19.21	ug/l	95
31) Cyclohexane	6.28	56	63881	16.92	ug/l	87
32) 1,1,1-Trichloroethane	6.19	97	76344	20.57	ug/l	95
36) 1,1-Dichloropropene	6.43	75	62270	18.74	ug/l	98
37) Ethyl Acetate	5.55	43	18933	18.56	ug/l	98
38) Carbon Tetrachloride	6.41	117	65041	20.65	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.09	83	63241	17.88	ug/l	95
40) Benzene	6.72	78	160735	18.99	ug/l	99
41) Methacrylonitrile	5.76	41	10718	16.54	ug/l #	86
42) 1,2-Dichloroethane	6.84	62	48625	19.76	ug/l	94
43) Isopropyl Acetate	8.42	43	24576	17.04	ug/l #	96
44) Trichloroethene	7.75	130	38420	17.71	ug/l	92
45) 1,2-Dichloropropane	8.15	63	38930	18.36	ug/l	97
46) Dibromomethane	8.28	93	22262	20.14	ug/l	93
47) Bromodichloromethane	8.56	83	57091	19.51	ug/l	100
48) Methyl methacrylate	8.09	41	42272	18.74	ug/l	96
49) 1,4-Dioxane	8.30	88	3242	443.42	ug/l #	83
51) 4-Methyl-2-Pentanone	9.49	43	93869	93.36	ug/l	95
52) Toluene	9.73	92	100965	20.00	ug/l	98
53) t-1,3-Dichloropropene	10.12	75	40919	18.47	ug/l	99
54) cis-1,3-Dichloropropene	9.23	75	54608	18.69	ug/l	94
55) 1,1,2-Trichloroethane	10.40	97	24518	20.46	ug/l	91
56) Ethyl methacrylate	10.24	69	20311	17.63	ug/l	96
57) 1,3-Dichloropropane	10.61	76	46071	20.03	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.04	63	59086	92.95	ug/l	98
59) 2-Hexanone	10.71	43	67001	93.51	ug/l	96
60) Dibromochloromethane	10.89	129	33409	20.03	ug/l	98
61) 1,2-Dibromoethane	11.02	107	23520	20.15	ug/l	93
64) Tetrachloroethene	10.48	164	39460	17.59	ug/l	98
65) Chlorobenzene	11.61	112	103070	18.72	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	38202	18.69	ug/l	98
67) Ethyl Benzene	11.74	91	210187	18.70	ug/l	96
68) m/p-Xylenes	11.89	106	134744	38.34	ug/l	93
69) o-Xylene	12.29	106	60545	19.34	ug/l	93
70) Styrene	12.32	104	104250	19.56	ug/l	99
71) Bromoform	12.51	173	20903	20.56	ug/l	97
73) Isopropylbenzene	12.67	105	184429	17.90	ug/l	96
74) N-amyl acetate	12.51	43	36365	15.93	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.99	83	28993	18.84	ug/l	93
76) 1,2,3-Trichloropropane	13.04	75	30509	18.32	ug/l	96
77) Bromobenzene	12.98	156	46132	18.15	ug/l	92
78) n-propylbenzene	13.08	91	261813	18.36	ug/l	98
79) 2-Chlorotoluene	13.16	91	142751	18.15	ug/l	98
80) 1,3,5-Trimethylbenzene	13.26	105	148606	18.56	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.74	75	7151	16.82	ug/l	95
82) 4-Chlorotoluene	13.27	91	172174	18.71	ug/l	94
83) tert-Butylbenzene	13.54	119	129698m	19.24	ug/l	
84) 1,2,4-Trimethylbenzene	13.59	105	149349	18.64	ug/l	97
85) sec-Butylbenzene	13.74	105	194410	18.71	ug/l	96
86) p-Isopropyltoluene	13.88	119	154979	18.95	ug/l	99
87) 1,3-Dichlorobenzene	13.85	146	83539	18.21	ug/l	96
88) 1,4-Dichlorobenzene	13.95	146	85080	18.76	ug/l	100
89) n-Butylbenzene	14.22	91	173216	19.00	ug/l	99
90) Hexachloroethane	14.48	117	34966	19.15	ug/l	88
91) 1,2-Dichlorobenzene	14.24	146	72603	19.36	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.89	75	3529	18.60	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	38972	17.50	ug/l	99
94) Hexachlorobutadiene	15.69	225	32216	17.75	ug/l	95
95) Naphthalene	15.83	128	46580	18.05	ug/l	99
96) 1,2,3-Trichlorobenzene	16.03	180	34324	18.57	ug/l	94

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

