

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045390.D
 Acq On : 16 Sep 2015 14:12
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/17/2015 12:50:45 PM

Quant Time: Sep 16 15:32:41 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 15:28:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.80	168	1115053	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.53	114	1675865	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.69	117	1637103	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.48	152	915031	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.77	65	227707	19.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.68%	
34) Dibromofluoromethane	4.03	113	248900	19.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.76%	
49) Toluene-d8	7.49	98	786503	20.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.78%	
61) 4-Bromofluorobenzene	11.35	95	374503	21.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.93	85	188945	20.88	ug/l	91
3) Chloromethane	1.02	50	162367	16.33	ug/l	96
4) Vinyl Chloride	1.09	62	140639	18.34	ug/l	96
5) Bromomethane	1.25	94	81227	21.70	ug/l	94
6) Chloroethane	1.32	64	46532	18.27	ug/l	95
7) Trichlorofluoromethane	1.39	101	277522m	22.24	ug/l	
8) Diethyl Ether	1.59	74	52834	16.79	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.77	101	164967	20.63	ug/l	95
10) Methyl Iodide	1.80	142	318380	20.28	ug/l	96
11) Tert butyl alcohol	2.50	59	16949	127.05	ug/l #	82
12) 1,1-Dichloroethene	1.71	96	134325	20.11	ug/l	90
13) Acrolein	1.95	56	53130	76.28	ug/l	98
14) Allyl chloride	2.05	41	197944	15.88	ug/l	94
15) Acrylonitrile	2.88	53	124700	77.08	ug/l #	90
16) Acetone	2.18	43	230964	80.24	ug/l	99
17) Carbon Disulfide	1.72	76	449165	20.26	ug/l	100
18) Methyl Acetate	2.29	43	186836m	14.15	ug/l	
19) Methyl tert-butyl Ether	2.38	73	116840	22.37	ug/l #	88
20) Methylene Chloride	2.13	84	156217	20.70	ug/l	92
21) trans-1,2-Dichloroethene	2.26	96	148009	19.13	ug/l	87
22) Diisopropyl ether	2.74	45	434566	15.93	ug/l	98
23) Vinyl Acetate	3.12	43	631975	75.93	ug/l	99
24) 1,1-Dichloroethane	2.81	63	292368	18.00	ug/l	99
25) 2-Butanone	4.25	43	356619	72.24	ug/l #	90
26) 2,2-Dichloropropane	3.53	77	292715	20.73	ug/l	94
27) cis-1,2-Dichloroethene	3.41	96	228638	18.69	ug/l	99
28) Bromochloromethane	3.64	49	122307	14.39	ug/l #	96
29) Chloroform	3.77	83	419381	19.47	ug/l	95
30) Cyclohexane	3.64	56	261315	15.39	ug/l	96
31) 1,1,1-Trichloroethane	4.02	97	339849	20.36	ug/l	96
35) 1,1-Dichloropropene	4.20	75	308374	19.33	ug/l	95
36) Ethyl Acetate	4.03	43	143897	15.02	ug/l #	50
37) Carbon Tetrachloride	3.91	117	306092	22.33	ug/l	96
38) Methylcyclohexane	5.39	83	337360	19.58	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.56	78	729984	18.25	ug/l	98
40) Methacrylonitrile	4.67	41	70740	15.59	ug/l	97
41) 1,2-Dichloroethane	4.87	62	285087	21.22	ug/l	100
42) Isopropyl Acetate	6.90	43	205244	15.84	ug/l #	99
43) Trichloroethene	5.44	130	260523	22.68	ug/l	100
44) 1,2-Dichloropropane	6.17	63	220241	18.29	ug/l	97
45) Dibromomethane	6.01	93	150894	20.15	ug/l	99
46) Bromodichloromethane	6.32	83	336789	21.24	ug/l	95
47) Methyl methacrylate	6.65	41	128352	16.99	ug/l	88
48) 1,4-Dioxane	6.64	88	27088	352.29	ug/l	95
50) 4-Methyl-2-Pentanone	8.19	43	714257	76.54	ug/l	94
51) Toluene	7.56	92	572025	20.87	ug/l	100
52) t-1,3-Dichloropropene	8.21	75	298029	19.59	ug/l	91
53) cis-1,3-Dichloropropene	7.23	75	363707	19.57	ug/l	92
54) 1,1,2-Trichloroethane	8.41	97	185930	19.57	ug/l	98
55) Ethyl methacrylate	8.55	69	248182	18.76	ug/l	95
56) 1,3-Dichloropropane	8.78	76	326818	19.87	ug/l	91
58) 2-Hexanone	9.42	43	587716	79.44	ug/l	99
59) Dibromochloromethane	8.64	129	259441	21.65	ug/l	99
60) 1,2-Dibromoethane	8.91	107	217497	20.35	ug/l	91
63) Tetrachloroethene	8.09	164	250496	22.35	ug/l	95
64) Chlorobenzene	9.72	112	677417	20.15	ug/l	100
65) 1,1,1,2-Tetrachloroethane	9.85	131	237267	20.55	ug/l	95
66) Ethyl Benzene	9.82	91	1174952	19.68	ug/l	98
67) m/p-Xylenes	10.06	106	855555	41.34	ug/l	95
68) o-Xylene	10.65	106	439287	20.26	ug/l	97
69) Styrene	10.72	104	681560	19.61	ug/l	98
70) Bromoform	10.70	173	176218	21.55	ug/l	97
72) Isopropylbenzene	11.06	105	1293402	19.31	ug/l	100
73) N-amyl acetate	11.32	43	334575	14.45	ug/l #	90
74) 1,1,2,2-Tetrachloroethane	11.63	83	279762	17.40	ug/l	95
75) 1,2,3-Trichloropropane	11.73	75	179630	15.52	ug/l	95
76) Bromobenzene	11.43	156	346775	20.12	ug/l	100
77) n-propylbenzene	11.54	91	1611487	18.76	ug/l	97
78) 2-Chlorotoluene	11.65	91	874946	18.34	ug/l	100
79) 1,3,5-Trimethylbenzene	11.76	105	1022719	19.08	ug/l	98
80) trans-1,4-Dichloro-2-buten	11.80	75	95841m	16.97	ug/l	
81) 4-Chlorotoluene	11.84	91	932519	18.24	ug/l	97
82) tert-Butylbenzene	12.07	119	1037477	20.01	ug/l	97
83) 1,2,4-Trimethylbenzene	12.15	105	1075751	19.84	ug/l	98
84) sec-Butylbenzene	12.25	105	1421935	19.94	ug/l	96
85) p-Isopropyltoluene	12.40	119	1096592	20.39	ug/l	98
86) 1,3-Dichlorobenzene	12.41	146	596695	20.70	ug/l	97
87) 1,4-Dichlorobenzene	12.50	146	571804	19.87	ug/l	97
88) n-Butylbenzene	12.78	91	1130611	19.75	ug/l	96
89) Hexachloroethane	12.85	117	243402	20.49	ug/l	82
90) 1,2-Dichlorobenzene	12.88	146	554802	21.14	ug/l	96
91) 1,2-Dibromo-3-Chloropropan	13.57	75	33683	17.74	ug/l	83
92) 1,2,4-Trichlorobenzene	14.13	180	301338	21.23	ug/l	98
93) Hexachlorobutadiene	14.12	225	239854	21.99	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.38	128	513838	20.53	ug/l	99
95) 1,2,3-Trichlorobenzene	14.52	180	237408	20.74	ug/l	99

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

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