

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091615\
 Data File : VF045402.D
 Acq On : 16 Sep 2015 21:32
 Operator : FY/SY
 Sample : G3707-04L00 10ppb
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 LOQ-SOIL2015-02

Manual Integrations
 APPROVED

MMDadoda
 9/17/2015 12:51:36 PM

Quant Time: Sep 17 08:14:27 2015
 Quant Method : W:\HPCHEM1\MSVOA_F\METHODS\82F091615S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 16:04:03 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.82	168	1071992	50.00	ug/l	0.01
33) 1,4-Difluorobenzene	5.54	114	1539115	50.00	ug/l	0.00
62) Chlorobenzene-d5	9.70	117	1476390	50.00	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	12.49	152	839518	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.78	65	602069	52.30	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.60%	
34) Dibromofluoromethane	4.04	113	671484	56.32	ug/l	0.01
Spiked Amount	50.000		Recovery	=	112.64%	
49) Toluene-d8	7.50	98	1888338	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	
61) 4-Bromofluorobenzene	11.35	95	901212	53.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	101427	11.11	ug/l	98
3) Chloromethane	1.03	50	79121	10.12	ug/l	96
4) Vinyl Chloride	1.08	62	63895	9.54	ug/l	97
5) Bromomethane	1.25	94	36231	8.71	ug/l	88
6) Chloroethane	1.33	64	29337	10.99	ug/l	93
7) Trichlorofluoromethane	1.39	101	131890m	9.59	ug/l	
8) Diethyl Ether	1.60	74	26742	9.31	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.78	101	82399	10.42	ug/l #	85
10) Methyl Iodide	1.80	142	160277	9.91	ug/l #	97
11) Tert butyl alcohol	2.52	59	5928	45.83	ug/l #	81
12) 1,1-Dichloroethene	1.72	96	62366	9.49	ug/l #	91
13) Acrolein	1.95	56	26475	49.39	ug/l	87
14) Allyl chloride	2.05	41	97731	9.58	ug/l	96
15) Acrylonitrile	2.89	53	58844	47.60	ug/l #	92
16) Acetone	2.19	43	122507	46.88	ug/l	100
17) Carbon Disulfide	1.73	76	200020	8.93	ug/l	97
18) Methyl Acetate	2.30	43	104628	10.44	ug/l	92
19) Methyl tert-butyl Ether	2.39	73	56159	10.86	ug/l #	80
20) Methylene Chloride	2.14	84	76793	6.57	ug/l	93
21) trans-1,2-Dichloroethene	2.27	96	73347	9.96	ug/l	84
22) Diisopropyl ether	2.75	45	211560	9.73	ug/l	96
23) Vinyl Acetate	3.13	43	305027	48.08	ug/l	97
24) 1,1-Dichloroethane	2.82	63	144280	9.81	ug/l	97
25) 2-Butanone	4.27	43	173358	47.42	ug/l	94
26) 2,2-Dichloropropane	3.54	77	134921	9.85	ug/l	99
27) cis-1,2-Dichloroethene	3.42	96	111035	9.76	ug/l	88
28) Bromochloromethane	3.65	49	61991	10.73	ug/l #	97
29) Chloroform	3.79	83	215125	10.40	ug/l	97
30) Cyclohexane	3.64	56	139334	10.50	ug/l	94
31) 1,1,1-Trichloroethane	4.04	97	167820	9.80	ug/l	94
35) 1,1-Dichloropropene	4.22	75	158095	10.83	ug/l	97
36) Ethyl Acetate	4.05	43	81962	11.09	ug/l #	61
37) Carbon Tetrachloride	3.93	117	151821	9.87	ug/l #	92
38) Methylcyclohexane	5.40	83	166511	10.61	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.57	78	382498	11.20	ug/l	93
40) Methacrylonitrile	4.67	41	33900	9.69	ug/l #	89
41) 1,2-Dichloroethane	4.88	62	148451	10.78	ug/l	93
42) Isopropyl Acetate	6.91	43	103546	10.64	ug/l #	97
43) Trichloroethene	5.45	130	119419	10.24	ug/l	95
44) 1,2-Dichloropropane	6.18	63	101069	10.16	ug/l	99
45) Dibromomethane	6.03	93	70266	9.93	ug/l	96
46) Bromodichloromethane	6.33	83	159064	10.04	ug/l	95
47) Methyl methacrylate	6.66	41	60076	10.17	ug/l #	78
48) 1,4-Dioxane	6.64	88	14371	203.05	ug/l #	89
50) 4-Methyl-2-Pentanone	8.21	43	382665	55.28	ug/l	96
51) Toluene	7.57	92	287659	10.94	ug/l	87
52) t-1,3-Dichloropropene	8.22	75	144606	10.15	ug/l	92
53) cis-1,3-Dichloropropene	7.24	75	168690	10.03	ug/l #	87
54) 1,1,2-Trichloroethane	8.42	97	89298	10.04	ug/l	93
55) Ethyl methacrylate	8.57	69	116435	10.06	ug/l	93
56) 1,3-Dichloropropane	8.79	76	160244	11.04	ug/l	100
58) 2-Hexanone	9.43	43	290731	52.77	ug/l	94
59) Dibromochloromethane	8.65	129	121151	9.61	ug/l	95
60) 1,2-Dibromoethane	8.92	107	109276	10.82	ug/l	91
63) Tetrachloroethene	8.10	164	134261	11.45	ug/l	89
64) Chlorobenzene	9.73	112	348441	11.25	ug/l	97
65) 1,1,1,2-Tetrachloroethane	9.86	131	120738	10.66	ug/l	90
66) Ethyl Benzene	9.83	91	618580	11.53	ug/l	99
67) m/p-Xylenes	10.07	106	447566	23.27	ug/l	96
68) o-Xylene	10.65	106	230644	11.55	ug/l	97
69) Styrene	10.73	104	355906	11.17	ug/l	97
70) Bromoform	10.71	173	83353	9.92	ug/l	99
72) Isopropylbenzene	11.07	105	636953	11.32	ug/l	97
73) N-amyl acetate	11.32	43	158715	10.18	ug/l #	94
74) 1,1,2,2-Tetrachloroethane	11.63	83	132590	10.40	ug/l	93
75) 1,2,3-Trichloropropane	11.73	75	96341	10.99	ug/l	93
76) Bromobenzene	11.44	156	173116	10.85	ug/l	97
77) n-propylbenzene	11.55	91	798143	11.43	ug/l	99
78) 2-Chlorotoluene	11.66	91	434264	11.12	ug/l	99
79) 1,3,5-Trimethylbenzene	11.77	105	517325	11.29	ug/l	99
80) trans-1,4-Dichloro-2-buten	11.81	75	40249m	8.57	ug/l	
81) 4-Chlorotoluene	11.84	91	476613	11.04	ug/l	96
82) tert-Butylbenzene	12.08	119	484290	10.68	ug/l	98
83) 1,2,4-Trimethylbenzene	12.16	105	522922	11.13	ug/l	100
84) sec-Butylbenzene	12.25	105	678609	10.77	ug/l	99
85) p-Isopropyltoluene	12.40	119	529555	10.79	ug/l	100
86) 1,3-Dichlorobenzene	12.41	146	292844	10.80	ug/l	96
87) 1,4-Dichlorobenzene	12.50	146	294767	10.89	ug/l	91
88) n-Butylbenzene	12.79	91	550772	11.17	ug/l	96
89) Hexachloroethane	12.86	117	115916	9.98	ug/l	83
90) 1,2-Dichlorobenzene	12.89	146	275043	11.03	ug/l	96
91) 1,2-Dibromo-3-Chloropropan	13.57	75	16465	9.73	ug/l	87
92) 1,2,4-Trichlorobenzene	14.14	180	155023	10.74	ug/l	96
93) Hexachlorobutadiene	14.13	225	124847	11.39	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.38	128	254707	10.71	µg/l	99
95) 1,2,3-Trichlorobenzene	14.53	180	125811	10.61	µg/l	96

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

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