

Data Path : W:\HPCHEM1\MSVOA F\DATA\VF091715\
 Data File : VF045407.D
 Acq On : 17 Sep 2015 15:33
 Operator : FY/SY
 Sample : VF0917SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0917SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:28:51 PM

Quant Time: Sep 18 03:37:04 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	4.81	168	996800	50.00	ug/l	0.00
33) 1,4-Difluorobenzene	5.55	114	1494248	50.00	ug/l	0.02
62) Chlorobenzene-d5	9.72	117	1329788	50.00	ug/l	0.02
71) 1,4-Dichlorobenzene-d4	12.49	152	776547	50.00	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	4.78	65	521663	48.73	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.46%	
34) Dibromofluoromethane	4.05	113	569108	49.17	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.34%	
49) Toluene-d8	7.51	98	1773562	52.01	ug/l	0.02
Spiked Amount	50.000		Recovery	=	104.02%	
61) 4-Bromofluorobenzene	11.36	95	796065	48.56	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.94	85	186612	21.98	ug/l	96
3) Chloromethane	1.02	50	175370	24.13	ug/l	100
4) Vinyl Chloride	1.09	62	153115	24.58	ug/l	99
5) Bromomethane	1.26	94	79952	20.67	ug/l	99
6) Chloroethane	1.34	64	52528	21.16	ug/l	91
7) Trichlorofluoromethane	1.39	101	274768m	21.50	ug/l	
8) Diethyl Ether	1.60	74	54964	20.57	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.79	101	158438	21.54	ug/l	97
10) Methyl Iodide	1.81	142	320067	21.28	ug/l	96
11) Tert butyl alcohol	2.52	59	10360	86.13	ug/l #	79
12) 1,1-Dichloroethene	1.72	96	131430	21.51	ug/l	92
13) Acrolein	1.95	56	54754	109.85	ug/l #	80
14) Allyl chloride	2.06	41	198774	20.96	ug/l #	88
15) Acrylonitrile	2.89	53	119914	104.31	ug/l	91
16) Acetone	2.19	43	283226	116.55	ug/l	95
17) Carbon Disulfide	1.73	76	440424	21.15	ug/l	99
18) Methyl Acetate	2.30	43	203914	21.88	ug/l	98
19) Methyl tert-butyl Ether	2.39	73	105999	22.04	ug/l	99
20) Methylene Chloride	2.14	84	134726	17.20	ug/l	87
21) trans-1,2-Dichloroethene	2.27	96	146070	21.32	ug/l	97
22) Diisopropyl ether	2.75	45	424155	20.99	ug/l #	96
23) Vinyl Acetate	3.14	43	658083	111.55	ug/l	98
24) 1,1-Dichloroethane	2.82	63	289618	21.17	ug/l #	96
25) 2-Butanone	4.27	43	375140	110.35	ug/l	99
26) 2,2-Dichloropropane	3.55	77	289366	22.71	ug/l	97
27) cis-1,2-Dichloroethene	3.42	96	224789	21.25	ug/l	96
28) Bromochloromethane	3.66	49	125754	23.41	ug/l #	99
29) Chloroform	3.80	83	422409	21.97	ug/l	95
30) Cyclohexane	3.65	56	294948	23.89	ug/l	97
31) 1,1,1-Trichloroethane	4.04	97	340202	21.36	ug/l	96
35) 1,1-Dichloropropene	4.22	75	285354	20.13	ug/l	98
36) Ethyl Acetate	4.05	43	148736	20.74	ug/l #	74
37) Carbon Tetrachloride	3.93	117	312163	20.90	ug/l	96
38) Methylcyclohexane	5.41	83	322054	21.13	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	4.58	78	701188	21.16	ug/l	95
40) Methacrylonitrile	4.69	41	65664	19.34	ug/l #	90
41) 1,2-Dichloroethane	4.88	62	261642	19.57	ug/l	92
42) Isopropyl Acetate	6.92	43	197717	20.92	ug/l #	97
43) Trichloroethene	5.45	130	233905	20.67	ug/l	91
44) 1,2-Dichloropropane	6.18	63	204429	21.17	ug/l	99
45) Dibromomethane	6.03	93	139233	20.26	ug/l	98
46) Bromodichloromethane	6.33	83	301973	19.63	ug/l #	98
47) Methyl methacrylate	6.67	41	120722	21.05	ug/l #	89
48) 1,4-Dioxane	6.65	88	27640	402.26	ug/l #	84
50) 4-Methyl-2-Pentanone	8.21	43	706125	105.08	ug/l	98
51) Toluene	7.58	92	573305	22.45	ug/l	99
52) t-1,3-Dichloropropene	8.22	75	288112	20.83	ug/l	98
53) cis-1,3-Dichloropropene	7.25	75	347643	21.29	ug/l #	89
54) 1,1,2-Trichloroethane	8.43	97	187041	21.66	ug/l	92
55) Ethyl methacrylate	8.57	69	226891	20.19	ug/l	98
56) 1,3-Dichloropropane	8.79	76	295631	20.98	ug/l	99
58) 2-Hexanone	9.44	43	594510	111.15	ug/l	95
59) Dibromochloromethane	8.65	129	238468	19.48	ug/l	91
60) 1,2-Dibromoethane	8.93	107	206429	21.06	ug/l	88
63) Tetrachloroethene	8.10	164	245066	23.20	ug/l	95
64) Chlorobenzene	9.74	112	637049	22.83	ug/l	99
65) 1,1,1,2-Tetrachloroethane	9.86	131	222763	21.84	ug/l	94
66) Ethyl Benzene	9.84	91	1128754	23.35	ug/l	99
67) m/p-Xylenes	10.08	106	806583	46.55	ug/l	93
68) o-Xylene	10.66	106	412147	22.92	ug/l	98
69) Styrene	10.74	104	675668	23.54	ug/l	97
70) Bromoform	10.71	173	154272	20.39	ug/l	95
72) Isopropylbenzene	11.08	105	1187994	22.83	ug/l	99
73) N-amyl acetate	11.33	43	321020	22.26	ug/l #	87
74) 1,1,2,2-Tetrachloroethane	11.65	83	247849	21.02	ug/l	95
75) 1,2,3-Trichloropropane	11.74	75	177921	21.94	ug/l	96
76) Bromobenzene	11.44	156	325952	22.09	ug/l	97
77) n-propylbenzene	11.55	91	1514555	23.45	ug/l	99
78) 2-Chlorotoluene	11.67	91	819211	22.67	ug/l	99
79) 1,3,5-Trimethylbenzene	11.78	105	950252	22.41	ug/l	99
80) trans-1,4-Dichloro-2-buten	11.81	75	89974m	20.72	ug/l	
81) 4-Chlorotoluene	11.84	91	895593	22.43	ug/l	98
82) tert-Butylbenzene	12.08	119	956885	22.82	ug/l	99
83) 1,2,4-Trimethylbenzene	12.16	105	962839	22.15	ug/l	99
84) sec-Butylbenzene	12.26	105	1319725	22.64	ug/l	96
85) p-Isopropyltoluene	12.42	119	1064618	23.46	ug/l	97
86) 1,3-Dichlorobenzene	12.43	146	561967	22.40	ug/l	95
87) 1,4-Dichlorobenzene	12.51	146	557335	22.25	ug/l	98
88) n-Butylbenzene	12.79	91	1077953	23.63	ug/l	95
89) Hexachloroethane	12.86	117	206164	19.19	ug/l	91
90) 1,2-Dichlorobenzene	12.89	146	495840	21.49	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	13.58	75	30878	19.72	ug/l	75
92) 1,2,4-Trichlorobenzene	14.14	180	268917	20.14	ug/l	96
93) Hexachlorobutadiene	14.13	225	171992	16.96	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Naphthalene	14.39	128	479573	20.06	ug/l	98
95) 1,2,3-Trichlorobenzene	14.53	180	232541	21.20	ug/l	93

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

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