

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111618\
 Data File : VF060764.D
 Acq On : 16 Nov 2018 14:36
 Operator : VA/AP
 Sample : VF1116SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1116SBS01

Manual Integrations
 APPROVED

apatel
 11/19/2018 12:33:17 PM

Quant Time: Nov 17 04:37:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	191986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.62	114	295971	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	285065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	160203	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	105313	48.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.18%	
35) Dibromofluoromethane	4.13	113	114756	51.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.16%	
50) Toluene-d8	7.57	98	310745	54.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.56%	
62) 4-Bromofluorobenzene	11.42	95	152229	58.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	71060	20.682	ug/l	97
3) Chloromethane	1.11	50	49153	23.067	ug/l	93
4) Vinyl Chloride	1.15	62	42336	22.210	ug/l	93
5) Bromomethane	1.33	94	27752	22.920	ug/l	83
6) Chloroethane	1.38	64	15945	21.380	ug/l #	88
7) Trichlorofluoromethane	1.50	101	82187m	19.498	ug/l	
8) Diethyl Ether	1.63	74	12356	22.878	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.83	101	41895	21.091	ug/l	96
10) Methyl Iodide	1.90	142	65916	20.682	ug/l	94
11) Tert butyl alcohol	2.58	59	12917	129.609	ug/l #	90
12) 1,1-Dichloroethene	1.79	96	31979	20.417	ug/l	97
13) Acrolein	2.01	56	10932	119.967	ug/l	89
14) Allyl chloride	2.11	41	57316	20.888	ug/l	92
15) Acrylonitrile	2.96	53	25797	121.476	ug/l	97
16) Acetone	2.25	43	55212	117.959	ug/l	98
17) Carbon Disulfide	1.83	76	92625	19.566	ug/l #	90
18) Methyl Acetate	2.35	43	20477	26.643	ug/l	100
19) Methyl tert-butyl Ether	2.44	73	88010	23.422	ug/l	100
20) Methylene Chloride	2.19	84	39143m	23.655	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	35593	21.750	ug/l	95
22) Diisopropyl ether	2.82	45	117950	22.265	ug/l	97
23) Vinyl Acetate	3.20	43	296658	118.919	ug/l	98
24) 1,1-Dichloroethane	2.89	63	72715	22.672	ug/l	99
25) 2-Butanone	4.35	43	91419	118.744	ug/l	96
26) 2,2-Dichloropropane	3.62	77	49636	19.667	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	55925	20.089	ug/l	98
28) Bromochloromethane	3.74	49	35774	21.463	ug/l	91
29) Tetrahydrofuran	4.09	42	40602	127.855	ug/l	95
30) Chloroform	3.88	83	100317	19.495	ug/l	92
31) Cyclohexane	3.71	56	80703	20.732	ug/l	98
32) 1,1,1-Trichloroethane	4.11	97	82597	20.383	ug/l	94
36) 1,1-Dichloropropene	4.30	75	76528	22.295	ug/l	99
37) Ethyl Acetate	4.13	43	37045	29.029	ug/l #	69
38) Carbon Tetrachloride	4.01	117	71920	21.593	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	88515	22.227	ug/l	97
40) Benzene	4.65	78	177775	23.234	ug/l	99
41) Methacrylonitrile	4.76	41	17666	23.686	ug/l	91
42) 1,2-Dichloroethane	4.96	62	60544	22.897	ug/l	92
43) Isopropyl Acetate	6.98	43	43475	25.694	ug/l #	93
44) Trichloroethene	5.52	130	54767	22.686	ug/l	88
45) 1,2-Dichloropropane	6.25	63	44170	22.184	ug/l	97
46) Dibromomethane	6.10	93	29147	22.176	ug/l	99
47) Bromodichloromethane	6.40	83	73126	21.788	ug/l	96
48) Methyl methacrylate	6.73	41	29666	26.492	ug/l	94
49) 1,4-Dioxane	6.72	88	4994	476.851	ug/l	95
51) 4-Methyl-2-Pentanone	8.27	43	163941	133.966	ug/l	100
52) Toluene	7.64	92	113332	22.103	ug/l	91
53) t-1,3-Dichloropropene	8.29	75	65453	24.348	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	77940	22.321	ug/l	91
55) 1,1,2-Trichloroethane	8.51	97	32985	22.515	ug/l	95
56) Ethyl methacrylate	8.64	69	43483	26.134	ug/l	93
57) 1,3-Dichloropropane	8.86	76	58335	22.976	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.64	63	16714	109.967	ug/l	100
59) 2-Hexanone	9.51	43	122517	142.460	ug/l	94
60) Dibromochloromethane	8.74	129	48138	23.055	ug/l	94
61) 1,2-Dibromoethane	9.00	107	37127	24.096	ug/l	92
64) Tetrachloroethene	8.17	164	48705	21.576	ug/l	93
65) Chlorobenzene	9.81	112	124465	21.637	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.95	131	52776	21.035	ug/l	96
67) Ethyl Benzene	9.92	91	226564	20.895	ug/l	97
68) m/p-Xylenes	10.15	106	165123	42.613	ug/l	87
69) o-Xylene	10.73	106	95056	21.819	ug/l	98
70) Styrene	10.81	104	131102	22.174	ug/l	99
71) Bromoform	10.79	173	26421	23.418	ug/l #	94
73) Isopropylbenzene	11.13	105	274445	21.283	ug/l	96
74) N-amyl acetate	11.38	43	76766	26.150	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	49706	23.315	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	33539	21.182	ug/l	95
77) Bromobenzene	11.51	156	59419	22.137	ug/l	95
78) n-propylbenzene	11.61	91	325030	21.612	ug/l	97
79) 2-Chlorotoluene	11.73	91	185793	21.255	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	221031	21.590	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.88	75	18936m	24.343	ug/l	
82) 4-Chlorotoluene	11.91	91	190992	21.328	ug/l	99
83) tert-Butylbenzene	12.14	119	234750	21.596	ug/l	99
84) 1,2,4-Trimethylbenzene	12.22	105	221431	20.913	ug/l	94
85) sec-Butylbenzene	12.32	105	313242	21.243	ug/l	95
86) p-Isopropyltoluene	12.47	119	271990	22.086	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	117662	22.027	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	110289	21.483	ug/l	95
89) n-Butylbenzene	12.86	91	268720	21.381	ug/l	93
90) Hexachloroethane	12.93	117	60386	20.047	ug/l	96
91) 1,2-Dichlorobenzene	12.96	146	112694	22.406	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8211	20.491	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	75826	20.975	ug/l	93
94) Hexachlorobutadiene	14.20	225	46817	19.818	ug/l	97
95) Naphthalene	14.47	128	150424	22.805	ug/l	100
96) 1,2,3-Trichlorobenzene	14.61	180	75714	22.666	ug/l	97

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

