

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112718\
 Data File : VF060837.D
 Acq On : 27 Nov 2018 14:32
 Operator : VA/AP
 Sample : VF1127SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1127SBS01

Manual Integrations
 APPROVED

apatel
 11/28/2018 2:12:23 PM

Quant Time: Nov 28 09:30:39 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.90	168	210516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	356045	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	334485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	173940	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	123016	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
35) Dibromofluoromethane	4.14	113	139556	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	7.58	98	408870	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
62) 4-Bromofluorobenzene	11.43	95	184217	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	74591	23.70	ug/l	93
3) Chloromethane	1.12	50	52684	25.72	ug/l	97
4) Vinyl Chloride	1.15	62	47980	25.11	ug/l	96
5) Bromomethane	1.35	94	31600	23.46	ug/l	86
6) Chloroethane	1.41	64	20320	24.60	ug/l	97
7) Trichlorofluoromethane	1.50	101	88020	21.47	ug/l	98
8) Diethyl Ether	1.65	74	13419	22.76	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.84	101	47700	23.02	ug/l	90
10) Methyl Iodide	1.92	142	58598	18.60	ug/l	97
11) Tert butyl alcohol	2.59	59	10218	100.51	ug/l	99
12) 1,1-Dichloroethene	1.81	96	37959	22.77	ug/l	95
13) Acrolein	2.02	56	10733	111.43	ug/l	95
14) Allyl chloride	2.11	41	45628	21.96	ug/l	97
15) Acrylonitrile	2.97	53	24632	108.08	ug/l	92
16) Acetone	2.26	43	53377	116.72	ug/l	100
17) Carbon Disulfide	1.84	76	105353m	23.57	ug/l	
18) Methyl Acetate	2.37	43	19170	24.13	ug/l	98
19) Methyl tert-butyl Ether	2.44	73	80752	21.51	ug/l	100
20) Methylene Chloride	2.28	84	37698m	22.47	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	32011	19.92	ug/l	98
22) Diisopropyl ether	2.82	45	124273	21.97	ug/l	96
23) Vinyl Acetate	3.21	43	306000	118.37	ug/l	97
24) 1,1-Dichloroethane	2.89	63	72394	21.52	ug/l	98
25) 2-Butanone	4.37	43	92062	116.39	ug/l	92
26) 2,2-Dichloropropane	3.63	77	44966	20.61	ug/l	97
27) cis-1,2-Dichloroethene	3.50	96	60333	23.06	ug/l	97
28) Bromochloromethane	3.75	49	39581	24.51	ug/l	97
29) Tetrahydrofuran	4.10	42	38915	116.06	ug/l	94
30) Chloroform	3.88	83	107672	20.79	ug/l	96
31) Cyclohexane	3.72	56	85626m	24.52	ug/l	
32) 1,1,1-Trichloroethane	4.12	97	62244	17.33	ug/l	94
36) 1,1-Dichloropropene	4.32	75	86759	21.97	ug/l	97
37) Ethyl Acetate	4.13	43	33869	21.10	ug/l	# 99
38) Carbon Tetrachloride	4.02	117	65215	18.70	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	87761	21.21	ug/l	92
40) Benzene	4.66	78	196106	22.48	ug/l	93
41) Methacrylonitrile	4.78	41	18985	20.57	ug/l #	88
42) 1,2-Dichloroethane	4.97	62	63369	19.90	ug/l	99
43) Isopropyl Acetate	6.99	43	42305	19.72	ug/l #	95
44) Trichloroethene	5.53	130	62766	22.00	ug/l	99
45) 1,2-Dichloropropane	6.27	63	49400	21.80	ug/l	99
46) Dibromomethane	6.11	93	31488	20.49	ug/l	90
47) Bromodichloromethane	6.42	83	82530	20.22	ug/l	98
48) Methyl methacrylate	6.74	41	28257	19.45	ug/l	97
49) 1,4-Dioxane	6.73	88	4253	400.04	ug/l #	82
51) 4-Methyl-2-Pentanone	8.28	43	150170	101.47	ug/l	96
52) Toluene	7.65	92	123423	20.14	ug/l	98
53) t-1,3-Dichloropropene	8.30	75	66791	20.11	ug/l	94
54) cis-1,3-Dichloropropene	7.33	75	87964	21.40	ug/l	97
55) 1,1,2-Trichloroethane	8.52	97	34583	19.37	ug/l	96
56) Ethyl methacrylate	8.65	69	38736	19.53	ug/l	97
57) 1,3-Dichloropropane	8.89	76	62308	19.94	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.32	63	17932	88.38	ug/l #	79
59) 2-Hexanone	9.52	43	110964	106.88	ug/l	98
60) Dibromochloromethane	8.75	129	52852	19.86	ug/l	97
61) 1,2-Dibromoethane	9.01	107	39765	20.61	ug/l	95
64) Tetrachloroethene	8.19	164	51928	20.33	ug/l	95
65) Chlorobenzene	9.82	112	138747	21.32	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.96	131	57269	20.47	ug/l	90
67) Ethyl Benzene	9.93	91	263357	21.74	ug/l	97
68) m/p-Xylenes	10.16	106	189566	43.51	ug/l	96
69) o-Xylene	10.74	106	103495	21.54	ug/l	91
70) Styrene	10.82	104	139610	20.96	ug/l	99
71) Bromoform	10.80	173	26724	19.78	ug/l	90
73) Isopropylbenzene	11.14	105	302299	21.99	ug/l	99
74) N-amyl acetate	11.39	43	68509	21.58	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.72	83	47599	21.04	ug/l	93
76) 1,2,3-Trichloropropane	11.82	75	35215	21.42	ug/l	85
77) Bromobenzene	11.52	156	62147	20.62	ug/l	92
78) n-propylbenzene	11.62	91	354331	22.01	ug/l	98
79) 2-Chlorotoluene	11.74	91	201898	21.87	ug/l	92
80) 1,3,5-Trimethylbenzene	11.84	105	244710	21.93	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.89	75	14204m	17.63	ug/l	
82) 4-Chlorotoluene	11.92	91	210210	21.64	ug/l	97
83) tert-Butylbenzene	12.15	119	256529	22.57	ug/l	99
84) 1,2,4-Trimethylbenzene	12.23	105	241263	21.66	ug/l	99
85) sec-Butylbenzene	12.33	105	344934	22.17	ug/l	100
86) p-Isopropyltoluene	12.48	119	281601	21.59	ug/l	95
87) 1,3-Dichlorobenzene	12.50	146	119829	20.90	ug/l	97
88) 1,4-Dichlorobenzene	12.58	146	117708	21.07	ug/l	98
89) n-Butylbenzene	12.86	91	288781	21.89	ug/l	96
90) Hexachloroethane	12.94	117	66682	21.23	ug/l	89
91) 1,2-Dichlorobenzene	12.96	146	116740	21.51	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.67	75	9678	22.13	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	82097	21.64	ug/l	98
94) Hexachlorobutadiene	14.21	225	51635	20.42	ug/l	97
95) Naphthalene	14.48	128	156230	19.06	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	74105	21.04	ug/l	99

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

