

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060868.D
 Acq On : 29 Nov 2018 15:39
 Operator : VA/AP
 Sample : VF1129SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1129SBS01

Manual Integrations
 APPROVED

apatel
 12/3/2018 11:58:20 AM

Quant Time: Nov 30 06:14:16 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	4.88	168	209685	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	343525	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	308602	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.55	152	172625	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	129743	52.52	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	105.04%	
35) Dibromofluoromethane	4.12	113	142924	52.44	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	104.88%	
50) Toluene-d8	7.56	98	382931	47.70	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	95.40%	
62) 4-Bromofluorobenzene	11.42	95	181242	49.68	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	99.36%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	73395	23.410	ug/l	99
3) Chloromethane	1.10	50	48619	23.831	ug/l	96
4) Vinyl Chloride	1.15	62	45540	23.931	ug/l	96
5) Bromomethane	1.33	94	29557	22.027	ug/l	87
6) Chloroethane	1.39	64	19196	23.336	ug/l	97
7) Trichlorofluoromethane	1.50	101	93154	22.815	ug/l	90
8) Diethyl Ether	1.63	74	12658	21.559	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	45149	21.873	ug/l	95
10) Methyl Iodide	1.91	142	73488m	23.422	ug/l	
11) Tert butyl alcohol	2.57	59	12229	120.771	ug/l	99
12) 1,1-Dichloroethene	1.79	96	35819	21.574	ug/l	96
13) Acrolein	2.00	56	11148m	116.199	ug/l	
14) Allyl chloride	2.10	41	58512	28.275	ug/l	96
15) Acrylonitrile	2.95	53	23907	105.312	ug/l	92
16) Acetone	2.25	43	56591	124.236	ug/l	93
17) Carbon Disulfide	1.80	76	102053	22.924	ug/l	97
18) Methyl Acetate	2.35	43	21132	26.889	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	78349	20.952	ug/l	95
20) Methylene Chloride	2.19	84	38438m	23.002	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	38317	23.938	ug/l	94
22) Diisopropyl ether	2.80	45	130349	23.141	ug/l	93
23) Vinyl Acetate	3.19	43	287009	111.466	ug/l	98
24) 1,1-Dichloroethane	2.88	63	76941	22.958	ug/l	99
25) 2-Butanone	4.34	43	87878	111.538	ug/l	99
26) 2,2-Dichloropropane	3.61	77	48678	22.404	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	54493	20.911	ug/l	95
28) Bromochloromethane	3.73	49	35523	22.086	ug/l	100
29) Tetrahydrofuran	4.08	42	33276	99.638	ug/l	95
30) Chloroform	3.86	83	109224	21.176	ug/l	98
31) Cyclohexane	3.71	56	78695	22.626	ug/l	93
32) 1,1,1-Trichloroethane	4.09	97	68795m	19.232	ug/l	
36) 1,1-Dichloropropene	4.29	75	82513	21.655	ug/l	95
37) Ethyl Acetate	4.11	43	32707	21.123	ug/l #	70
38) Carbon Tetrachloride	3.99	117	67408	20.030	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	86881	21.758	ug/l	93
40) Benzene	4.64	78	188781	22.427	ug/l	100
41) Methacrylonitrile	4.76	41	17368	19.281	ug/l #	90
42) 1,2-Dichloroethane	4.95	62	62836	20.447	ug/l	99
43) Isopropyl Acetate	6.96	43	38648	18.518	ug/l #	94
44) Trichloroethene	5.51	130	56230	20.430	ug/l	99
45) 1,2-Dichloropropane	6.24	63	45355	20.746	ug/l	97
46) Dibromomethane	6.09	93	31751	21.410	ug/l	94
47) Bromodichloromethane	6.39	83	80430	20.419	ug/l	93
48) Methyl methacrylate	6.72	41	26599	18.978	ug/l	94
49) 1,4-Dioxane	6.72	88	4416	430.510	ug/l #	75
51) 4-Methyl-2-Pentanone	8.27	43	135322	94.772	ug/l	95
52) Toluene	7.63	92	113533	19.202	ug/l	97
53) t-1,3-Dichloropropene	8.28	75	63145	19.708	ug/l	91
54) cis-1,3-Dichloropropene	7.31	75	83439	21.036	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	34195	19.848	ug/l	95
56) Ethyl methacrylate	8.63	69	36013	18.817	ug/l	96
57) 1,3-Dichloropropane	8.86	76	62406	20.704	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.31	63	15991	81.685	ug/l #	84
59) 2-Hexanone	9.50	43	105827	105.644	ug/l	96
60) Dibromochloromethane	8.73	129	50257	19.578	ug/l	93
61) 1,2-Dibromoethane	8.99	107	35500	19.074	ug/l	94
64) Tetrachloroethene	8.16	164	52382	22.223	ug/l	96
65) Chlorobenzene	9.80	112	129155	21.513	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	54598	21.155	ug/l	98
67) Ethyl Benzene	9.91	91	242418	21.690	ug/l	98
68) m/p-Xylenes	10.14	106	181770	45.219	ug/l	95
69) o-Xylene	10.72	106	96611	21.795	ug/l	96
70) Styrene	10.80	104	128656	20.938	ug/l	97
71) Bromoform	10.78	173	24786	19.882	ug/l	99
73) Isopropylbenzene	11.13	105	290653	21.306	ug/l	98
74) N-amyl acetate	11.38	43	64747	20.554	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.71	83	48494	21.600	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	34131	20.915	ug/l	87
77) Bromobenzene	11.50	156	62619	20.937	ug/l	82
78) n-propylbenzene	11.60	91	342627	21.447	ug/l	98
79) 2-Chlorotoluene	11.72	91	206378	22.530	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	238575	21.543	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	15805m	19.767	ug/l	
82) 4-Chlorotoluene	11.90	91	198571	20.599	ug/l	97
83) tert-Butylbenzene	12.14	119	246293	21.833	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	243292	22.012	ug/l	97
85) sec-Butylbenzene	12.31	105	330883	21.426	ug/l	100
86) p-Isopropyltoluene	12.46	119	280333	21.652	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	120346	21.154	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	109627	19.774	ug/l	95
89) n-Butylbenzene	12.85	91	288521	22.038	ug/l	97
90) Hexachloroethane	12.92	117	63412	20.339	ug/l	95
91) 1,2-Dichlorobenzene	12.95	146	111477	20.692	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8277	19.068	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	80696	21.437	ug/l	98
94) Hexachlorobutadiene	14.19	225	51306	20.446	ug/l	98
95) Naphthalene	14.46	128	143012	17.285	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	71707	20.516	ug/l	97

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

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