

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022119\
 Data File : VF061696.D
 Acq On : 21 Feb 2019 14:15
 Operator : VA/AP
 Sample : VF0221SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 12:27:56 PM

Quant Time: Feb 22 03:40:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	337490	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	519122	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	433507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	246869	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	126873	51.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.52%	
35) Dibromofluoromethane	4.12	113	187589	48.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.32%	
50) Toluene-d8	7.56	98	540398	48.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	11.41	95	209284	46.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.34%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	97428	25.138	ug/l	99
3) Chloromethane	1.10	50	89488	22.006	ug/l	95
4) Vinyl Chloride	1.14	62	87711	23.202	ug/l	92
5) Bromomethane	1.34	94	56550	21.735	ug/l	93
6) Chloroethane	1.40	64	42475	22.800	ug/l	97
7) Trichlorofluoromethane	1.49	101	104134m	22.839	ug/l	
8) Diethyl Ether	1.63	74	23242	20.227	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.84	101	69136	21.019	ug/l #	90
10) Methyl Iodide	1.91	142	137889m	21.946	ug/l	
11) Tert butyl alcohol	2.57	59	15149	105.767	ug/l	94
12) 1,1-Dichloroethene	1.80	96	66860	23.119	ug/l	92
13) Acrolein	2.01	56	18702	103.892	ug/l	98
14) Allyl chloride	2.10	41	73250	20.641	ug/l	98
15) Acrylonitrile	2.95	53	47872	94.229	ug/l	91
16) Acetone	2.25	43	55634	104.773	ug/l	93
17) Carbon Disulfide	1.82	76	200450m	22.051	ug/l	
18) Methyl Acetate	2.36	43	36249	30.303	ug/l	100
19) Methyl tert-butyl Ether	2.44	73	112079	22.677	ug/l	100
20) Methylene Chloride	2.18	84	73176m	24.429	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	59254	18.848	ug/l	88
22) Diisopropyl ether	2.80	45	192300	22.574	ug/l	96
23) Vinyl Acetate	3.19	43	456894	109.812	ug/l	99
24) 1,1-Dichloroethane	2.88	63	109993	21.337	ug/l	99
25) 2-Butanone	4.34	43	129250	111.436	ug/l	93
26) 2,2-Dichloropropane	3.61	77	53049	24.294	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	86538	20.972	ug/l	94
28) Bromochloromethane	3.73	49	53187	21.503	ug/l	97
29) Tetrahydrofuran	4.08	42	55477	105.236	ug/l	98
30) Chloroform	3.87	83	134268	22.903	ug/l	98
31) Cyclohexane	3.70	56	123821m	22.188	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	76159	19.831	ug/l	96
36) 1,1-Dichloropropene	4.28	75	118543	23.051	ug/l	93
37) Ethyl Acetate	4.11	43	46242	19.360	ug/l #	79
38) Carbon Tetrachloride	3.99	117	76869	21.647	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	130736	21.496	ug/l	97
40) Benzene	4.64	78	298860	22.218	ug/l	99
41) Methacrylonitrile	4.75	41	25718	21.054	ug/l	92
42) 1,2-Dichloroethane	4.95	62	66521	20.674	ug/l	94
43) Isopropyl Acetate	6.96	43	54295	19.204	ug/l #	97
44) Trichloroethene	5.51	130	94044	21.620	ug/l	95
45) 1,2-Dichloropropane	6.24	63	66785	20.541	ug/l	97
46) Dibromomethane	6.09	93	41283	20.622	ug/l	90
47) Bromodichloromethane	6.39	83	91896	20.962	ug/l	96
48) Methyl methacrylate	6.72	41	32687	19.211	ug/l #	91
49) 1,4-Dioxane	6.72	88	6226	389.257	ug/l	88
51) 4-Methyl-2-Pentanone	8.26	43	194216	96.136	ug/l	99
52) Toluene	7.63	92	167740	20.562	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	75913	20.806	ug/l	97
54) cis-1,3-Dichloropropene	7.31	75	107520	22.124	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	50216	20.951	ug/l	98
56) Ethyl methacrylate	8.63	69	55578	20.827	ug/l	99
57) 1,3-Dichloropropane	8.85	76	81805	20.448	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.30	63	46528	101.054	ug/l	95
59) 2-Hexanone	9.50	43	145461	102.718	ug/l	98
60) Dibromochloromethane	8.72	129	67295	20.172	ug/l	99
61) 1,2-Dibromoethane	8.99	107	50650	19.483	ug/l	93
64) Tetrachloroethene	8.15	164	79050	22.309	ug/l	95
65) Chlorobenzene	9.80	112	195823	22.261	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	75904	22.020	ug/l	96
67) Ethyl Benzene	9.91	91	324946	22.212	ug/l	99
68) m/p-Xylenes	10.14	106	240562	42.967	ug/l	96
69) o-Xylene	10.72	106	135260	22.641	ug/l	99
70) Styrene	10.80	104	186448	22.061	ug/l	97
71) Bromoform	10.78	173	39361	21.028	ug/l	97
73) Isopropylbenzene	11.12	105	386196	21.972	ug/l	100
74) N-amyl acetate	11.38	43	92527	21.932	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	61991	19.686	ug/l	100
76) 1,2,3-Trichloropropane	11.79	75	41601	19.432	ug/l	95
77) Bromobenzene	11.50	156	91073	20.974	ug/l	95
78) n-propylbenzene	11.60	91	436361	21.635	ug/l	95
79) 2-Chlorotoluene	11.72	91	241320	21.363	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	307932	21.920	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	20981m	20.442	ug/l	
82) 4-Chlorotoluene	11.90	91	252262	21.516	ug/l	100
83) tert-Butylbenzene	12.13	119	350122	22.502	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	302853	21.700	ug/l	98
85) sec-Butylbenzene	12.31	105	449464	22.338	ug/l	97
86) p-Isopropyltoluene	12.46	119	366882	21.726	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	178918	21.136	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	173650	21.330	ug/l	97
89) n-Butylbenzene	12.85	91	357425	22.415	ug/l	97
90) Hexachloroethane	12.92	117	86233	21.957	ug/l	89
91) 1,2-Dichlorobenzene	12.95	146	167284	20.776	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	10135	20.300	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	123976	21.481	ug/l	98
94) Hexachlorobutadiene	14.19	225	79623	22.339	ug/l	96
95) Naphthalene	14.46	128	206434	20.444	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	113901	21.502	ug/l	98

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

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