

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031119\
 Data File : VF061885.D
 Acq On : 11 Mar 2019 13:07
 Operator : VA/AP
 Sample : VF0311SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0311SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/12/2019 4:36:50 PM

Quant Time: Mar 12 05:26:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	307506	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	439927	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	378185	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	212741	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	121529	54.27	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	108.54%	
35) Dibromofluoromethane	4.10	113	165122	53.78	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	107.56%	
50) Toluene-d8	7.55	98	455756	49.94	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	99.88%	
62) 4-Bromofluorobenzene	11.40	95	190103	53.18	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	106.36%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	92652	24.542	ug/l	97
3) Chloromethane	1.09	50	79733	21.792	ug/l	99
4) Vinyl Chloride	1.14	62	75216	21.656	ug/l	97
5) Bromomethane	1.31	94	53685	22.680	ug/l	97
6) Chloroethane	1.38	64	40168	24.330	ug/l	97
7) Trichlorofluoromethane	1.47	101	98152	23.138	ug/l	96
8) Diethyl Ether	1.63	74	19524	20.240	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	61801	21.454	ug/l	92
10) Methyl Iodide	1.90	142	118497m	21.616	ug/l	
11) Tert butyl alcohol	2.58	59	14380	113.134	ug/l	100
12) 1,1-Dichloroethene	1.79	96	56356	21.429	ug/l	88
13) Acrolein	1.99	56	15466	96.028	ug/l #	82
14) Allyl chloride	2.09	41	70733	24.413	ug/l	87
15) Acrylonitrile	2.93	53	41106	101.562	ug/l	95
16) Acetone	2.23	43	60611	129.210	ug/l #	86
17) Carbon Disulfide	1.83	76	173375	21.178	ug/l	96
18) Methyl Acetate	2.34	43	21959	23.125	ug/l	100
19) Methyl tert-butyl Ether	2.43	73	97552	21.927	ug/l	99
20) Methylene Chloride	2.17	84	60677m	20.142	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	54944	22.198	ug/l #	82
22) Diisopropyl ether	2.79	45	169709	22.518	ug/l	97
23) Vinyl Acetate	3.18	43	366464	108.844	ug/l	98
24) 1,1-Dichloroethane	2.86	63	107060	23.766	ug/l	99
25) 2-Butanone	4.33	43	100088	104.895	ug/l	98
26) 2,2-Dichloropropane	3.59	77	45028	22.391	ug/l	99
27) cis-1,2-Dichloroethene	3.46	96	72101	21.026	ug/l	91
28) Bromochloromethane	3.71	49	42724	21.758	ug/l #	100
29) Tetrahydrofuran	4.06	42	41934	101.904	ug/l	98
30) Chloroform	3.85	83	115380	22.424	ug/l	96
31) Cyclohexane	3.68	56	98482	20.873	ug/l	97
32) 1,1,1-Trichloroethane	4.08	97	78712	24.818	ug/l	97
36) 1,1-Dichloropropene	4.27	75	95184	22.905	ug/l	98
37) Ethyl Acetate	4.10	43	41663	23.886	ug/l	93
38) Carbon Tetrachloride	3.98	117	73648	25.036	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	110052	22.421	ug/l	98
40) Benzene	4.63	78	227374	20.932	ug/l	96
41) Methacrylonitrile	4.74	41	19059	19.943	ug/l #	89
42) 1,2-Dichloroethane	4.93	62	60224	22.248	ug/l	95
43) Isopropyl Acetate	6.95	43	45597	21.207	ug/l	98
44) Trichloroethene	5.49	130	74924	22.195	ug/l	99
45) 1,2-Dichloropropane	6.22	63	55733	21.577	ug/l	98
46) Dibromomethane	6.09	93	34042	20.941	ug/l	94
47) Bromodichloromethane	6.38	83	81352	22.652	ug/l	95
48) Methyl methacrylate	6.71	41	27669	20.334	ug/l	89
49) 1,4-Dioxane	6.71	88	4752	382.022	ug/l	95
51) 4-Methyl-2-Pentanone	8.25	43	157105	105.724	ug/l	97
52) Toluene	7.61	92	137694	21.428	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	64907	21.895	ug/l	95
54) cis-1,3-Dichloropropene	7.29	75	87693	21.446	ug/l	97
55) 1,1,2-Trichloroethane	8.48	97	39038	21.085	ug/l	92
56) Ethyl methacrylate	8.61	69	44213	21.189	ug/l	97
57) 1,3-Dichloropropane	8.85	76	64078	21.163	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.29	63	37754	114.379	ug/l	100
59) 2-Hexanone	9.49	43	121692	113.517	ug/l	96
60) Dibromochloromethane	8.71	129	57431	21.764	ug/l	96
61) 1,2-Dibromoethane	8.98	107	44136	21.678	ug/l	98
64) Tetrachloroethene	8.15	164	68119	23.441	ug/l	94
65) Chlorobenzene	9.79	112	156817	21.583	ug/l	93
66) 1,1,1,2-Tetrachloroethane	9.92	131	64669	22.972	ug/l	96
67) Ethyl Benzene	9.89	91	272160	22.600	ug/l	97
68) m/p-Xylenes	10.12	106	206924	44.853	ug/l	98
69) o-Xylene	10.71	106	110394	22.222	ug/l	99
70) Styrene	10.78	104	155127	22.189	ug/l	96
71) Bromoform	10.76	173	34083	22.908	ug/l #	95
73) Isopropylbenzene	11.12	105	319682	21.827	ug/l	97
74) N-amyl acetate	11.36	43	69072	20.486	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.69	83	51620	21.206	ug/l	94
76) 1,2,3-Trichloropropane	11.79	75	34310	20.652	ug/l	95
77) Bromobenzene	11.49	156	76116	21.594	ug/l	90
78) n-propylbenzene	11.59	91	370410	22.395	ug/l	100
79) 2-Chlorotoluene	11.72	91	209988	22.207	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	255455	21.724	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.86	75	16751m	22.050	ug/l	
82) 4-Chlorotoluene	11.89	91	206328	21.332	ug/l	96
83) tert-Butylbenzene	12.12	119	278990	22.344	ug/l	90
84) 1,2,4-Trimethylbenzene	12.20	105	256815	22.279	ug/l	97
85) sec-Butylbenzene	12.30	105	363008	22.341	ug/l	99
86) p-Isopropyltoluene	12.46	119	305703	22.134	ug/l	97
87) 1,3-Dichlorobenzene	12.47	146	148888	22.245	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	143832	22.278	ug/l	97
89) n-Butylbenzene	12.84	91	300213	22.744	ug/l	96
90) Hexachloroethane	12.91	117	71781	21.592	ug/l	88
91) 1,2-Dichlorobenzene	12.94	146	142625	22.492	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8184	21.670	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	97495	21.931	ug/l	96
94) Hexachlorobutadiene	14.18	225	63241	20.549	ug/l	95
95) Naphthalene	14.45	128	157063	19.836	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	87942	21.425	ug/l	92

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

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