

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041919\
 Data File : VF062224.D
 Acq On : 19 Apr 2019 14:51
 Operator : FY/SY
 Sample : VF0419SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0419SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 6:55:56 AM

Quant Time: Apr 19 16:00:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	418122	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	604331	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.92	117	476705	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	273615	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	207054	54.01	ug/l	0.03
Spiked Amount	50.000		Recovery	=	108.02%	
35) Dibromofluoromethane	4.32	113	280054	52.98	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.96%	
50) Toluene-d8	7.72	98	714435	53.39	ug/l	0.03
Spiked Amount	50.000		Recovery	=	106.78%	
62) 4-Bromofluorobenzene	11.50	95	282394	54.86	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.72%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.01	85	133138	20.953	ug/l	95
3) Chloromethane	1.16	50	121707	18.531	ug/l	96
4) Vinyl Chloride	1.20	62	108090	19.156	ug/l	93
5) Bromomethane	1.40	94	65038	19.842	ug/l	91
6) Chloroethane	1.45	64	41624	17.646	ug/l	97
7) Trichlorofluoromethane	1.56	101	149764	20.893	ug/l	96
8) Diethyl Ether	1.72	74	29512	19.781	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.91	101	100144	20.450	ug/l	97
10) Methyl Iodide	1.99	142	175561	20.181	ug/l #	89
11) Tert butyl alcohol	2.72	59	27179	101.984	ug/l #	81
12) 1,1-Dichloroethene	1.88	96	87772	18.844	ug/l	99
13) Acrolein	2.11	56	14100	100.778	ug/l #	65
14) Allyl chloride	2.20	41	100879	18.872	ug/l	95
15) Acrylonitrile	3.10	53	77395	95.349	ug/l	100
16) Acetone	2.36	43	85131	92.895	ug/l	98
17) Carbon Disulfide	1.93	76	247072m	19.090	ug/l	
18) Methyl Acetate	2.47	43	42313	17.659	ug/l	93
19) Methyl tert-butyl Ether	2.56	73	164370	19.988	ug/l	96
20) Methylene Chloride	2.34	84	105790	19.711	ug/l	92
21) trans-1,2-Dichloroethene	2.43	96	88337	19.178	ug/l	95
22) Diisopropyl ether	2.95	45	269864	19.736	ug/l	98
23) Vinyl Acetate	3.36	43	654290	100.434	ug/l	99
24) 1,1-Dichloroethane	3.02	63	154944	20.715	ug/l	98
25) 2-Butanone	4.54	43	174232	95.083	ug/l	97
26) 2,2-Dichloropropane	3.79	77	74330	19.683	ug/l	96
27) cis-1,2-Dichloroethene	3.66	96	118933	19.939	ug/l	98
28) Bromochloromethane	3.92	49	70506	19.678	ug/l #	91
29) Tetrahydrofuran	4.28	42	78280	94.380	ug/l	98
30) Chloroform	4.07	83	189770	20.644	ug/l	98
31) Cyclohexane	3.90	56	164043	18.301	ug/l	99
32) 1,1,1-Trichloroethane	4.29	97	146989	21.845	ug/l #	90
36) 1,1-Dichloropropene	4.49	75	141333	19.506	ug/l	99
37) Ethyl Acetate	4.32	43	65215	19.074	ug/l #	97
38) Carbon Tetrachloride	4.20	117	137993m	21.517	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	171831	19.807	ug/l	95
40) Benzene	4.84	78	392724	20.664	ug/l	98
41) Methacrylonitrile	4.95	41	39234	19.894	ug/l	95
42) 1,2-Dichloroethane	5.14	62	103513	20.603	ug/l	99
43) Isopropyl Acetate	7.13	43	69781	19.405	ug/l	99
44) Trichloroethene	5.69	130	110733	21.562	ug/l	98
45) 1,2-Dichloropropane	6.42	63	83953	20.054	ug/l	97
46) Dibromomethane	6.28	93	57858	20.773	ug/l	93
47) Bromodichloromethane	6.56	83	130831	20.816	ug/l #	98
48) Methyl methacrylate	6.90	41	45124	19.094	ug/l	98
49) 1,4-Dioxane	6.90	88	10026	369.926	ug/l #	78
51) 4-Methyl-2-Pentanone	8.41	43	264016	98.710	ug/l	100
52) Toluene	7.79	92	201584	20.122	ug/l	95
53) t-1,3-Dichloropropene	8.43	75	101593	21.520	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	128804	20.171	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	58971	21.013	ug/l	97
56) Ethyl methacrylate	8.77	69	65927	20.662	ug/l	98
57) 1,3-Dichloropropane	9.01	76	97130	21.433	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	98625	106.462	ug/l	97
59) 2-Hexanone	9.64	43	167031	100.226	ug/l	100
60) Dibromochloromethane	8.87	129	93340	22.364	ug/l	98
61) 1,2-Dibromoethane	9.14	107	70818	22.398	ug/l	99
64) Tetrachloroethene	8.32	164	97128	22.571	ug/l	98
65) Chlorobenzene	9.94	112	222302	21.870	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	100122	21.034	ug/l	98
67) Ethyl Benzene	10.04	91	393193	21.273	ug/l	97
68) m/p-Xylenes	10.27	106	292592	43.002	ug/l	98
69) o-Xylene	10.83	106	160604	21.259	ug/l	96
70) Styrene	10.90	104	238953	22.414	ug/l	99
71) Bromoform	10.89	173	58276	23.188	ug/l #	97
73) Isopropylbenzene	11.22	105	466783	19.860	ug/l	100
74) N-amyl acetate	11.45	43	110701	18.465	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	77971	19.290	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	52900	19.022	ug/l #	64
77) Bromobenzene	11.59	156	108799	21.609	ug/l	92
78) n-propylbenzene	11.68	91	485969	19.600	ug/l	100
79) 2-Chlorotoluene	11.81	91	294325	19.569	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	396777	20.269	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	24975m	17.609	ug/l	
82) 4-Chlorotoluene	11.98	91	297205	20.447	ug/l	98
83) tert-Butylbenzene	12.20	119	407997	20.154	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	368404	19.448	ug/l	98
85) sec-Butylbenzene	12.38	105	530977	20.203	ug/l	99
86) p-Isopropyltoluene	12.53	119	457819	20.535	ug/l	100
87) 1,3-Dichlorobenzene	12.55	146	199717	21.375	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	187971	20.857	ug/l	98
89) n-Butylbenzene	12.90	91	436399	20.767	ug/l	97
90) Hexachloroethane	12.98	117	115765	20.221	ug/l	98
91) 1,2-Dichlorobenzene	13.01	146	188919	20.940	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	15585	19.625	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	162412	21.516	ug/l	99
94) Hexachlorobutadiene	14.23	225	111622	21.566	ug/l	98
95) Naphthalene	14.50	128	256423	19.428	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	152575	21.054	ug/l	99

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

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