

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061219\
 Data File : VF062922.D
 Acq On : 12 Jun 2019 12:45
 Operator : FY/SY
 Sample : VF0612SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0612SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 11:32:56 AM

Quant Time: Jun 13 08:45:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	758037	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.77	114	1299368	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.90	117	976300	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.61	152	474601	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	283080	54.00	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	108.00%	
35) Dibromofluoromethane	4.31	113	503616	51.29	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	7.70	98	1185561	47.75	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	95.50%	
62) 4-Bromofluorobenzene	11.48	95	455726	51.03	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	203808	21.289	ug/l	99
3) Chloromethane	1.14	50	170854	21.783	ug/l	99
4) Vinyl Chloride	1.19	62	155966	20.010	ug/l	98
5) Bromomethane	1.39	94	81697	18.379	ug/l	89
6) Chloroethane	1.44	64	53168	18.244	ug/l #	87
7) Trichlorofluoromethane	1.55	101	238957	21.656	ug/l	93
8) Diethyl Ether	1.72	74	44195	20.358	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.90	101	144984	20.899	ug/l	92
10) Methyl Iodide	1.98	142	288349	20.730	ug/l	99
11) Tert butyl alcohol	2.70	59	34595	108.944	ug/l	97
12) 1,1-Dichloroethene	1.86	96	126654	20.106	ug/l	98
13) Acrolein	2.10	56	10793	79.499	ug/l #	52
14) Allyl chloride	2.20	41	125507m	25.682	ug/l	
15) Acrylonitrile	3.09	53	90133	75.538	ug/l	93
16) Acetone	2.35	43	132185	110.177	ug/l	99
17) Carbon Disulfide	1.91	76	389166	21.137	ug/l	95
18) Methyl Acetate	2.46	43	55152m	26.306	ug/l	
19) Methyl tert-butyl Ether	2.54	73	259322	22.722	ug/l	99
20) Methylene Chloride	2.29	84	153215m	23.946	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	133859	21.194	ug/l	99
22) Diisopropyl ether	2.94	45	299480	21.570	ug/l #	95
23) Vinyl Acetate	3.34	43	1128561	118.729	ug/l	97
24) 1,1-Dichloroethane	3.01	63	227793	21.974	ug/l	98
25) 2-Butanone	4.53	43	311050	111.330	ug/l	94
26) 2,2-Dichloropropane	3.78	77	159013	27.015	ug/l	94
27) cis-1,2-Dichloroethene	3.65	96	235111	22.145	ug/l	97
28) Bromochloromethane	3.89	49	114408	20.289	ug/l	86
29) Tetrahydrofuran	4.27	42	132471	123.966	ug/l	96
30) Chloroform	4.04	83	329729	22.568	ug/l	92
31) Cyclohexane	3.87	56	301699	21.496	ug/l	92
32) 1,1,1-Trichloroethane	4.29	97	220652	25.939	ug/l	97
36) 1,1-Dichloropropene	4.48	75	256205	21.418	ug/l	98
37) Ethyl Acetate	4.30	43	113633	24.851	ug/l	87
38) Carbon Tetrachloride	4.18	117	201111	24.877	ug/l #	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	314618	21.133	ug/l	97
40) Benzene	4.82	78	732639	21.045	ug/l	99
41) Methacrylonitrile	4.93	41	59146	23.267	ug/l	98
42) 1,2-Dichloroethane	5.14	62	133763	20.202	ug/l	99
43) Isopropyl Acetate	7.11	43	136605	22.615	ug/l #	96
44) Trichloroethene	5.68	130	211993	21.577	ug/l	97
45) 1,2-Dichloropropane	6.41	63	184067	21.069	ug/l	97
46) Dibromomethane	6.26	93	114566	22.461	ug/l	95
47) Bromodichloromethane	6.55	83	220745	21.251	ug/l	93
48) Methyl methacrylate	6.87	41	64713	20.788	ug/l	95
49) 1,4-Dioxane	6.86	88	16461	401.162	ug/l #	88
51) 4-Methyl-2-Pentanone	8.40	43	514235	119.242	ug/l	100
52) Toluene	7.78	92	385542	20.561	ug/l	91
53) t-1,3-Dichloropropene	8.42	75	190597	22.142	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	261133	20.958	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	125146	22.340	ug/l	96
56) Ethyl methacrylate	8.75	69	139028	23.131	ug/l	98
57) 1,3-Dichloropropane	8.99	76	208891	22.835	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.44	63	244852	116.561	ug/l	94
59) 2-Hexanone	9.61	43	358639	116.675	ug/l	97
60) Dibromochloromethane	8.85	129	158974	22.922	ug/l	92
61) 1,2-Dibromoethane	9.13	107	128380	22.067	ug/l	98
64) Tetrachloroethene	8.30	164	158399	21.113	ug/l	98
65) Chlorobenzene	9.93	112	409573	21.724	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	157930	21.033	ug/l	94
67) Ethyl Benzene	10.03	91	675042	20.864	ug/l	98
68) m/p-Xylenes	10.25	106	494530	39.944	ug/l	84
69) o-Xylene	10.81	106	257469	20.540	ug/l	88
70) Styrene	10.88	104	384616	20.817	ug/l	98
71) Bromoform	10.87	173	88368	24.533	ug/l #	100
73) Isopropylbenzene	11.21	105	718216	21.688	ug/l	96
74) N-amyl acetate	11.45	43	219465	23.514	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	174324	24.650	ug/l	97
76) 1,2,3-Trichloropropane	11.86	75	110327	23.536	ug/l	86
77) Bromobenzene	11.57	156	165862	19.934	ug/l	88
78) n-propylbenzene	11.66	91	885102	22.136	ug/l	91
79) 2-Chlorotoluene	11.79	91	482767	21.101	ug/l	100
80) 1,3,5-Trimethylbenzene	11.89	105	584087	21.568	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.93	75	43268m	21.802	ug/l	
82) 4-Chlorotoluene	11.97	91	473747	21.070	ug/l	96
83) tert-Butylbenzene	12.18	119	600550	22.380	ug/l	94
84) 1,2,4-Trimethylbenzene	12.26	105	562981	21.925	ug/l	93
85) sec-Butylbenzene	12.36	105	820153	23.195	ug/l	95
86) p-Isopropyltoluene	12.51	119	690826	23.472	ug/l	94
87) 1,3-Dichlorobenzene	12.53	146	329061	22.424	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	299199	21.848	ug/l	98
89) n-Butylbenzene	12.89	91	687860	23.234	ug/l	91
90) Hexachloroethane	12.96	117	156885	21.855	ug/l	87
91) 1,2-Dichlorobenzene	12.99	146	283675	21.994	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	22846	29.652	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	200623	22.654	ug/l	93
94) Hexachlorobutadiene	14.22	225	132157	21.571	ug/l	98
95) Naphthalene	14.48	128	320455	22.087	ug/l	98
96) 1,2,3-Trichlorobenzene	14.63	180	169087	20.917	ug/l	96

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

