

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062173.D
 Acq On : 16 Apr 2019 12:45
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 11:50:25 AM

Quant Time: Apr 17 07:49:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:22:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	423806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	654633	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	539796	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	260238	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	292127	76.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	153.02%	
35) Dibromofluoromethane	4.31	113	378096	73.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.44%	
50) Toluene-d8	7.71	98	1108320	73.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	146.90%	
62) 4-Bromofluorobenzene	11.49	95	402542	67.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	135.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	439293	70.524	ug/l	98
3) Chloromethane	1.13	50	491575	73.419	ug/l	98
4) Vinyl Chloride	1.18	62	429246	73.226	ug/l	96
5) Bromomethane	1.36	94	278280	73.964	ug/l	92
6) Chloroethane	1.44	64	202661	73.073	ug/l	100
7) Trichlorofluoromethane	1.54	101	499704	71.481	ug/l	98
8) Diethyl Ether	1.71	74	96690	68.559	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	1.91	101	321462	70.252	ug/l	98
10) Methyl Iodide	1.98	142	620932	72.797	ug/l	99
11) Tert butyl alcohol	2.69	59	80882	382.165	ug/l	95
12) 1,1-Dichloroethene	1.86	96	340307	73.130	ug/l	96
13) Acrolein	2.10	56	40583	245.924	ug/l	99
14) Allyl chloride	2.20	41	461508	65.863	ug/l	99
15) Acrylonitrile	3.09	53	324582	416.509	ug/l	97
16) Acetone	2.35	43	318256	369.698	ug/l	99
17) Carbon Disulfide	1.90	76	986366	74.531	ug/l	97
18) Methyl Acetate	2.46	43	131318	64.295	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	545079	70.419	ug/l	99
20) Methylene Chloride	2.29	84	310683m	62.989	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	310182	69.666	ug/l	95
22) Diisopropyl ether	2.94	45	901677	69.228	ug/l	98
23) Vinyl Acetate	3.34	43	2388390	367.613	ug/l	99
24) 1,1-Dichloroethane	3.01	63	537288	74.077	ug/l	99
25) 2-Butanone	4.53	43	682989	369.222	ug/l	100
26) 2,2-Dichloropropane	3.78	77	270622	70.936	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	433779	73.395	ug/l	94
28) Bromochloromethane	3.90	49	249967	71.972	ug/l	87
29) Tetrahydrofuran	4.26	42	291411	354.290	ug/l	97
30) Chloroform	4.05	83	656153	72.765	ug/l	99
31) Cyclohexane	3.87	56	682967	72.943	ug/l	98
32) 1,1,1-Trichloroethane	4.29	97	430004	69.931	ug/l	99
36) 1,1-Dichloropropene	4.48	75	510317	70.162	ug/l	96
37) Ethyl Acetate	4.30	43	239917	71.586	ug/l	99
38) Carbon Tetrachloride	4.19	117	461577m	72.560	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	669436	73.445	ug/l	98
40) Benzene	4.82	78	1405839	73.172	ug/l	98
41) Methacrylonitrile	4.93	41	144506	71.760	ug/l	96
42) 1,2-Dichloroethane	5.13	62	376381	77.401	ug/l	97
43) Isopropyl Acetate	7.11	43	279872	71.855	ug/l #	98
44) Trichloroethene	5.69	130	364319	70.846	ug/l	95
45) 1,2-Dichloropropane	6.41	63	336964	71.492	ug/l	95
46) Dibromomethane	6.26	93	211076	74.265	ug/l	99
47) Bromodichloromethane	6.56	83	463017	71.908	ug/l	99
48) Methyl methacrylate	6.87	41	186238	73.458	ug/l	97
49) 1,4-Dioxane	6.86	88	27528	1393.378	ug/l #	87
51) 4-Methyl-2-Pentanone	8.40	43	1083527	363.132	ug/l	97
52) Toluene	7.78	92	795144	70.450	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	403571	72.359	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	512428	72.254	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	237898	73.594	ug/l	97
56) Ethyl methacrylate	8.75	69	268580	69.872	ug/l	99
57) 1,3-Dichloropropane	8.99	76	385092	72.462	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.45	63	373337	376.964	ug/l	92
59) 2-Hexanone	9.62	43	645676	340.012	ug/l	100
60) Dibromochloromethane	8.86	129	315855	71.016	ug/l	100
61) 1,2-Dibromoethane	9.13	107	251740	72.790	ug/l	99
64) Tetrachloroethene	8.30	164	320310	72.653	ug/l	98
65) Chlorobenzene	9.94	112	809478	72.087	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	325568	70.228	ug/l	97
67) Ethyl Benzene	10.03	91	1384342	66.506	ug/l	100
68) m/p-Xylenes	10.26	106	1066000	139.092	ug/l	93
69) o-Xylene	10.81	106	582757	70.246	ug/l	98
70) Styrene	10.89	104	824140	68.338	ug/l	99
71) Bromoform	10.87	173	175502	72.290	ug/l #	96
73) Isopropylbenzene	11.22	105	1550928	69.177	ug/l	96
74) N-amyl acetate	11.45	43	377193	64.548	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	284721	71.291	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	196866	72.748	ug/l	97
77) Bromobenzene	11.58	156	331135	71.020	ug/l	87
78) n-propylbenzene	11.67	91	1711612	67.165	ug/l	98
79) 2-Chlorotoluene	11.80	91	1017077	67.708	ug/l	93
80) 1,3,5-Trimethylbenzene	11.90	105	1267895	67.808	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.94	75	93033m	63.888	ug/l	
82) 4-Chlorotoluene	11.98	91	986163	66.991	ug/l	94
83) tert-Butylbenzene	12.19	119	1252462	67.456	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	1225313	67.523	ug/l	95
85) sec-Butylbenzene	12.37	105	1628921	66.719	ug/l	95
86) p-Isopropyltoluene	12.52	119	1391999	66.925	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	581769	68.198	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	574339	69.055	ug/l	98
89) n-Butylbenzene	12.89	91	1301945	62.540	ug/l	99
90) Hexachloroethane	12.97	117	363855	71.415	ug/l	93
91) 1,2-Dichlorobenzene	13.00	146	553180	67.572	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	52054	72.367	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	417942	67.975	ug/l	98
94) Hexachlorobutadiene	14.22	225	285027	71.133	ug/l	99
95) Naphthalene	14.49	128	797903	74.280	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	401252	70.047	ug/l	98

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

