

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062282.D
 Acq On : 24 Apr 2019 15:40
 Operator : FY/SY
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 9:21:01 AM

Quant Time: Apr 25 08:23:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 07:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	454724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	651386	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	497658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	266160	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	279224	75.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.44%	
35) Dibromofluoromethane	4.32	113	349853	70.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.14%	
50) Toluene-d8	7.73	98	883865	74.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	149.32%	
62) 4-Bromofluorobenzene	11.50	95	343421	68.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	391346	69.564	ug/l	96
3) Chloromethane	1.16	50	327365	69.484	ug/l	92
4) Vinyl Chloride	1.20	62	322211	72.902	ug/l	100
5) Bromomethane	1.40	94	218725	73.321	ug/l	86
6) Chloroethane	1.45	64	148036	76.443	ug/l	97
7) Trichlorofluoromethane	1.56	101	523425	75.074	ug/l	93
8) Diethyl Ether	1.72	74	91232	72.807	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.91	101	319982	73.219	ug/l	99
10) Methyl Iodide	1.99	142	569389	74.852	ug/l	100
11) Tert butyl alcohol	2.71	59	85591	389.857	ug/l	98
12) 1,1-Dichloroethene	1.87	96	279142	69.609	ug/l	94
13) Acrolein	2.11	56	81223	558.611	ug/l	99
14) Allyl chloride	2.21	41	329485	54.498	ug/l #	69
15) Acrylonitrile	3.10	53	227005	357.511	ug/l	100
16) Acetone	2.36	43	302807	367.562	ug/l	95
17) Carbon Disulfide	1.93	76	750759m	72.201	ug/l	
18) Methyl Acetate	2.47	43	115445	56.518	ug/l	100
19) Methyl tert-butyl Ether	2.56	73	551799	74.682	ug/l	99
20) Methylene Chloride	2.34	84	267843m	51.390	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	283622	73.637	ug/l	99
22) Diisopropyl ether	2.94	45	820039	71.262	ug/l	99
23) Vinyl Acetate	3.36	43	1897130	380.530	ug/l	99
24) 1,1-Dichloroethane	3.02	63	503583	78.010	ug/l	98
25) 2-Butanone	4.53	43	490420	375.604	ug/l	98
26) 2,2-Dichloropropane	3.79	77	254704	75.546	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	363257	73.729	ug/l	98
28) Bromochloromethane	3.91	49	195793	69.353	ug/l #	97
29) Tetrahydrofuran	4.29	42	205801	361.628	ug/l	98
30) Chloroform	4.07	83	634718	78.829	ug/l	96
31) Cyclohexane	3.89	56	469531	75.191	ug/l	95
32) 1,1,1-Trichloroethane	4.30	97	497357	82.943	ug/l #	84
36) 1,1-Dichloropropene	4.48	75	436546	70.562	ug/l	100
37) Ethyl Acetate	4.31	43	178428	70.241	ug/l #	74
38) Carbon Tetrachloride	4.20	117	486842m	80.536	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	507447	69.602	ug/l	98
40) Benzene	4.84	78	1077964	72.239	ug/l	99
41) Methacrylonitrile	4.95	41	103498	72.944	ug/l	96
42) 1,2-Dichloroethane	5.14	62	352201	76.858	ug/l	100
43) Isopropyl Acetate	7.12	43	200792	74.944	ug/l #	100
44) Trichloroethene	5.69	130	340704	67.507	ug/l	98
45) 1,2-Dichloropropane	6.41	63	238929	72.688	ug/l	99
46) Dibromomethane	6.28	93	181021	76.024	ug/l	99
47) Bromodichloromethane	6.56	83	422963	75.454	ug/l	99
48) Methyl methacrylate	6.89	41	140793	76.584	ug/l	99
49) 1,4-Dioxane	6.88	88	29551	1404.481	ug/l	96
51) 4-Methyl-2-Pentanone	8.42	43	701007	341.956	ug/l	99
52) Toluene	7.79	92	626427	73.193	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	303093	74.244	ug/l	96
54) cis-1,3-Dichloropropene	7.47	75	393594	74.249	ug/l	100
55) 1,1,2-Trichloroethane	8.64	97	182976	78.220	ug/l	97
56) Ethyl methacrylate	8.77	69	195323	74.692	ug/l	99
57) 1,3-Dichloropropane	9.01	76	282120	76.688	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	280420	347.118	ug/l	99
59) 2-Hexanone	9.63	43	469986	235.095	ug/l	98
60) Dibromochloromethane	8.87	129	300572	79.741	ug/l	99
61) 1,2-Dibromoethane	9.14	107	208087	76.336	ug/l	95
64) Tetrachloroethene	8.32	164	308185	72.048	ug/l	98
65) Chlorobenzene	9.94	112	692492	75.026	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	311963	70.120	ug/l	98
67) Ethyl Benzene	10.04	91	1123374	68.612	ug/l	100
68) m/p-Xylenes	10.27	106	852871	141.078	ug/l	95
69) o-Xylene	10.83	106	493263	72.688	ug/l	92
70) Styrene	10.90	104	669224	68.167	ug/l	99
71) Bromoform	10.89	173	178618	73.972	ug/l #	98
73) Isopropylbenzene	11.22	105	1353289	71.218	ug/l	95
74) N-amyl acetate	11.45	43	285059	66.074	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	223109	78.515	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	157446	76.781	ug/l #	100
77) Bromobenzene	11.59	156	343134	74.873	ug/l	99
78) n-propylbenzene	11.68	91	1380573	69.817	ug/l	98
79) 2-Chlorotoluene	11.81	91	869292	73.969	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	1098733	69.107	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	66701m	56.016	ug/l	
82) 4-Chlorotoluene	11.98	91	825001	70.838	ug/l	97
83) tert-Butylbenzene	12.20	119	1159269	69.542	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	1062089	67.929	ug/l	97
85) sec-Butylbenzene	12.38	105	1403190	67.808	ug/l	99
86) p-Isopropyltoluene	12.53	119	1261367	68.477	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	561140	67.291	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	558127	71.376	ug/l	98
89) n-Butylbenzene	12.90	91	1082554	63.019	ug/l	98
90) Hexachloroethane	12.98	117	332810	72.822	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	560483	69.917	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	44701	77.389	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	482135	67.882	ug/l	98
94) Hexachlorobutadiene	14.23	225	358740	71.161	ug/l	99
95) Naphthalene	14.50	128	788718	74.788	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	470316	71.944	ug/l	99

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

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