

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061826.D
 Acq On : 4 Mar 2019 17:58
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 10:47:31 AM

Quant Time: Mar 05 04:52:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	310164	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.61	114	456968	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	405905	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	210258	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	167577	73.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.36%	
35) Dibromofluoromethane	4.12	113	232589	68.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.08%	
50) Toluene-d8	7.56	98	717224	73.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.04%	
62) 4-Bromofluorobenzene	11.41	95	273227	69.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	250665	70.374	ug/l	99
3) Chloromethane	1.10	50	242903	64.996	ug/l	96
4) Vinyl Chloride	1.14	62	235811	67.874	ug/l	97
5) Bromomethane	1.32	94	161704	67.627	ug/l	95
6) Chloroethane	1.40	64	109178	63.767	ug/l	99
7) Trichlorofluoromethane	1.48	101	305602m	72.930	ug/l	
8) Diethyl Ether	1.63	74	69256	65.583	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.85	101	193296	63.943	ug/l	94
10) Methyl Iodide	1.92	142	385668m	66.788	ug/l	
11) Tert butyl alcohol	2.58	59	44442	337.622	ug/l	94
12) 1,1-Dichloroethene	1.80	96	181112	68.144	ug/l	91
13) Acrolein	2.01	56	48422	292.689	ug/l	91
14) Allyl chloride	2.10	41	210106	64.422	ug/l	97
15) Acrylonitrile	2.94	53	142085	304.313	ug/l	91
16) Acetone	2.24	43	155624	318.901	ug/l	95
17) Carbon Disulfide	1.83	76	582312m	69.702	ug/l	
18) Methyl Acetate	2.35	43	66810	60.772	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	309615	68.163	ug/l	95
20) Methylene Chloride	2.19	84	179184m	60.783	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	154864	53.600	ug/l	99
22) Diisopropyl ether	2.81	45	540022	68.979	ug/l	98
23) Vinyl Acetate	3.19	43	1251853	327.385	ug/l	98
24) 1,1-Dichloroethane	2.88	63	322206	68.009	ug/l	99
25) 2-Butanone	4.34	43	335615	314.851	ug/l	97
26) 2,2-Dichloropropane	3.60	77	136016	67.778	ug/l	99
27) cis-1,2-Dichloroethene	3.49	96	239465	63.145	ug/l	98
28) Bromochloromethane	3.72	49	136509	60.051	ug/l	99
29) Tetrahydrofuran	4.08	42	139598	288.139	ug/l	98
30) Chloroform	3.86	83	372859	69.204	ug/l	97
31) Cyclohexane	3.69	56	334538m	65.227	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	219420	62.170	ug/l	99
36) 1,1-Dichloropropene	4.29	75	316258	69.863	ug/l	97
37) Ethyl Acetate	4.12	43	124932	59.418	ug/l #	76
38) Carbon Tetrachloride	4.00	117	223532	71.511	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	370700	69.242	ug/l	98
40) Benzene	4.64	78	812795	68.644	ug/l	100
41) Methacrylonitrile	4.75	41	68198	63.424	ug/l	94
42) 1,2-Dichloroethane	4.95	62	200275	70.710	ug/l	93
43) Isopropyl Acetate	6.97	43	157972	63.473	ug/l #	98
44) Trichloroethene	5.51	130	246724	64.436	ug/l	95
45) 1,2-Dichloropropane	6.24	63	195585	68.336	ug/l	98
46) Dibromomethane	6.09	93	124281	70.525	ug/l	93
47) Bromodichloromethane	6.39	83	275219	71.318	ug/l	100
48) Methyl methacrylate	6.72	41	100238	66.926	ug/l	95
49) 1,4-Dioxane	6.71	88	18380	1305.438	ug/l #	92
51) 4-Methyl-2-Pentanone	8.26	43	516852	290.637	ug/l	100
52) Toluene	7.63	92	456032	63.504	ug/l	95
53) t-1,3-Dichloropropene	8.28	75	215903	67.223	ug/l	99
54) cis-1,3-Dichloropropene	7.30	75	311735	72.869	ug/l	96
55) 1,1,2-Trichloroethane	8.50	97	136018	64.467	ug/l	94
56) Ethyl methacrylate	8.62	69	152824	65.057	ug/l	91
57) 1,3-Dichloropropane	8.86	76	229349	65.125	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.29	63	129895	320.492	ug/l	89
59) 2-Hexanone	9.49	43	373440	299.574	ug/l	99
60) Dibromochloromethane	8.72	129	201995	68.783	ug/l	100
61) 1,2-Dibromoethane	8.99	107	152673	66.714	ug/l	94
64) Tetrachloroethene	8.16	164	221453	66.747	ug/l	98
65) Chlorobenzene	9.81	112	555484	67.440	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	210264	65.146	ug/l	97
67) Ethyl Benzene	9.91	91	867723	63.349	ug/l	98
68) m/p-Xylenes	10.14	106	698891	133.319	ug/l	84
69) o-Xylene	10.71	106	365371	65.317	ug/l	94
70) Styrene	10.79	104	504469	63.749	ug/l	100
71) Bromoform	10.77	173	111462	63.597	ug/l	97
73) Isopropylbenzene	11.13	105	1042867	69.664	ug/l	98
74) N-amyl acetate	11.38	43	231405	64.402	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	170188	63.457	ug/l	95
76) 1,2,3-Trichloropropane	11.80	75	118109	64.774	ug/l	95
77) Bromobenzene	11.50	156	241514	65.305	ug/l	95
78) n-propylbenzene	11.59	91	1114873	64.899	ug/l	97
79) 2-Chlorotoluene	11.72	91	661302	68.737	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	817993	68.368	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	54742m	62.622	ug/l	
82) 4-Chlorotoluene	11.90	91	663855	66.480	ug/l	95
83) tert-Butylbenzene	12.13	119	881754	66.537	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	809257	68.081	ug/l	99
85) sec-Butylbenzene	12.31	105	1135249	66.245	ug/l	97
86) p-Isopropyltoluene	12.46	119	948854	65.974	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	446065	61.869	ug/l	100
88) 1,4-Dichlorobenzene	12.57	146	457468	65.977	ug/l	97
89) n-Butylbenzene	12.84	91	881331	64.896	ug/l	90
90) Hexachloroethane	12.91	117	246393	73.662	ug/l	80
91) 1,2-Dichlorobenzene	12.94	146	435755	63.543	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	30585	71.929	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	294694	59.953	ug/l	99
94) Hexachlorobutadiene	14.20	225	202347	66.655	ug/l	99
95) Naphthalene	14.46	128	588157	68.389	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	299547	66.395	ug/l	98

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

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