

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062079.D
 Acq On : 22 Mar 2019 12:53
 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
 3/27/2019 11:57:12 AM

Quant Time: Mar 23 01:09:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 00:41:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	281710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.64	114	425070	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	377906	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	196489	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.89	65	155072	74.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	148.02%	
35) Dibromofluoromethane	4.15	113	217230	75.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	151.10%	
50) Toluene-d8	7.59	98	643010	74.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	149.82%	
62) 4-Bromofluorobenzene	11.44	95	249043	75.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	150.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	263827	73.104	ug/l	96
3) Chloromethane	1.10	50	267963	70.961	ug/l	97
4) Vinyl Chloride	1.15	62	257787	73.803	ug/l	99
5) Bromomethane	1.35	94	185834	74.013	ug/l	93
6) Chloroethane	1.41	64	132304	75.244	ug/l	95
7) Trichlorofluoromethane	1.50	101	308226	76.076	ug/l	99
8) Diethyl Ether	1.65	74	65952	68.442	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.85	101	198416	68.944	ug/l	99
10) Methyl Iodide	1.92	142	388763m	72.448	ug/l	
11) Tert butyl alcohol	2.60	59	41717	361.838	ug/l	94
12) 1,1-Dichloroethene	1.81	96	192308	70.819	ug/l	99
13) Acrolein	2.02	56	50284	361.871	ug/l	90
14) Allyl chloride	2.12	41	210536	72.619	ug/l	96
15) Acrylonitrile	2.97	53	150303	370.733	ug/l	94
16) Acetone	2.26	43	163527	370.804	ug/l	97
17) Carbon Disulfide	1.85	76	598136	73.691	ug/l	100
18) Methyl Acetate	2.37	43	68156	65.240	ug/l	97
19) Methyl tert-butyl Ether	2.45	73	318995	74.327	ug/l	97
20) Methylene Chloride	2.21	84	189860m	64.444	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	201772	79.952	ug/l	96
22) Diisopropyl ether	2.83	45	568314	74.767	ug/l	99
23) Vinyl Acetate	3.22	43	1222468	392.805	ug/l	97
24) 1,1-Dichloroethane	2.90	63	333728	73.214	ug/l	100
25) 2-Butanone	4.38	43	325523	353.576	ug/l	96
26) 2,2-Dichloropropane	3.64	77	133031	71.980	ug/l	96
27) cis-1,2-Dichloroethene	3.51	96	249676	72.115	ug/l	95
28) Bromochloromethane	3.75	49	131218	70.456	ug/l	99
29) Tetrahydrofuran	4.11	42	146483	365.944	ug/l	97
30) Chloroform	3.90	83	349547	72.561	ug/l	96
31) Cyclohexane	3.72	56	334406m	74.755	ug/l	
32) 1,1,1-Trichloroethane	4.14	97	246351	84.068	ug/l	96
36) 1,1-Dichloropropene	4.32	75	290183	71.671	ug/l	95
37) Ethyl Acetate	4.15	43	133468	75.430	ug/l	93
38) Carbon Tetrachloride	4.03	117	208704	75.630	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	373367	79.456	ug/l	98
40) Benzene	4.67	78	789854	72.771	ug/l	99
41) Methacrylonitrile	4.79	41	69493	74.227	ug/l #	89
42) 1,2-Dichloroethane	4.98	62	188198	73.323	ug/l	99
43) Isopropyl Acetate	6.99	43	161158	75.206	ug/l #	97
44) Trichloroethene	5.54	130	231053	69.627	ug/l	97
45) 1,2-Dichloropropane	6.27	63	191139	73.833	ug/l	99
46) Dibromomethane	6.12	93	118658	74.964	ug/l	94
47) Bromodichloromethane	6.42	83	262501	74.871	ug/l	97
48) Methyl methacrylate	6.75	41	92539	75.845	ug/l	96
49) 1,4-Dioxane	6.74	88	15247	1424.164	ug/l	92
51) 4-Methyl-2-Pentanone	8.29	43	518917	361.803	ug/l	99
52) Toluene	7.66	92	463234	73.685	ug/l	96
53) t-1,3-Dichloropropene	8.31	75	208197	75.644	ug/l	95
54) cis-1,3-Dichloropropene	7.33	75	300855	76.396	ug/l	96
55) 1,1,2-Trichloroethane	8.53	97	133825	74.942	ug/l	94
56) Ethyl methacrylate	8.65	69	160142	75.196	ug/l	95
57) 1,3-Dichloropropane	8.89	76	229385	77.397	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.33	63	130623	404.204	ug/l	98
59) 2-Hexanone	9.52	43	374121	355.907	ug/l	99
60) Dibromochloromethane	8.75	129	193142	77.803	ug/l	96
61) 1,2-Dibromoethane	9.02	107	148901	78.157	ug/l	93
64) Tetrachloroethene	8.19	164	199736	68.411	ug/l	94
65) Chlorobenzene	9.83	112	501283	70.894	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.97	131	198116	69.753	ug/l	96
67) Ethyl Benzene	9.94	91	878328	71.427	ug/l	96
68) m/p-Xylenes	10.16	106	645812	140.514	ug/l	95
69) o-Xylene	10.75	106	349101	72.522	ug/l	97
70) Styrene	10.81	104	524663	71.936	ug/l	99
71) Bromoform	10.80	173	105394	72.547	ug/l	97
73) Isopropylbenzene	11.15	105	964418	69.753	ug/l	99
74) N-amyl acetate	11.40	43	242980	73.754	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.72	83	167411	70.519	ug/l	98
76) 1,2,3-Trichloropropane	11.82	75	117390	70.263	ug/l	99
77) Bromobenzene	11.52	156	234189	69.329	ug/l	94
78) n-propylbenzene	11.62	91	1091422	67.981	ug/l	96
79) 2-Chlorotoluene	11.74	91	600774	67.324	ug/l	97
80) 1,3,5-Trimethylbenzene	11.85	105	783390	68.884	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.89	75	48834m	54.195	ug/l	
82) 4-Chlorotoluene	11.92	91	639509	69.895	ug/l	98
83) tert-Butylbenzene	12.16	119	790423	66.394	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	774187	69.441	ug/l	99
85) sec-Butylbenzene	12.33	105	1049952	68.174	ug/l	95
86) p-Isopropyltoluene	12.48	119	915860	68.639	ug/l	100
87) 1,3-Dichlorobenzene	12.50	146	432812	68.965	ug/l	97
88) 1,4-Dichlorobenzene	12.59	146	434535	70.957	ug/l	98
89) n-Butylbenzene	12.87	91	869800	68.326	ug/l	98
90) Hexachloroethane	12.93	117	223766	70.429	ug/l	98
91) 1,2-Dichlorobenzene	12.96	146	397997	67.538	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	28245	78.523	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	279416	68.033	ug/l	97
94) Hexachlorobutadiene	14.21	225	188557	69.048	ug/l	96
95) Naphthalene	14.47	128	547656	76.092	ug/l	98
96) 1,2,3-Trichlorobenzene	14.62	180	284235	73.934	ug/l	99

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

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