

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032119\
 Data File : VF062057.D
 Acq On : 21 Mar 2019 13:33
 Operator : VA/AP
 Sample : VF0321SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0321SBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/23/2019 2:59:14 AM

Quant Time: Mar 22 08:26:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	294613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	464441	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	361527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	188827	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	96878	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
35) Dibromofluoromethane	4.12	113	147818	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
50) Toluene-d8	7.56	98	404549	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	
62) 4-Bromofluorobenzene	11.41	95	156988	43.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	69350	22.081	ug/l	98
3) Chloromethane	1.10	50	71513	22.406	ug/l #	87
4) Vinyl Chloride	1.14	62	67291	21.800	ug/l	100
5) Bromomethane	1.34	94	47768	22.029	ug/l	89
6) Chloroethane	1.41	64	33629	21.104	ug/l	90
7) Trichlorofluoromethane	1.49	101	85989m	21.027	ug/l	
8) Diethyl Ether	1.63	74	21016	23.117	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.85	101	60637	21.045	ug/l	92
10) Methyl Iodide	1.93	142	114903m	22.779	ug/l	
11) Tert butyl alcohol	2.58	59	12857	99.075	ug/l #	93
12) 1,1-Dichloroethene	1.81	96	56604	22.764	ug/l	93
13) Acrolein	2.01	56	14787	105.553	ug/l	95
14) Allyl chloride	2.10	41	68019	21.430	ug/l	94
15) Acrylonitrile	2.96	53	46812	118.624	ug/l	99
16) Acetone	2.25	43	54767	115.003	ug/l	97
17) Carbon Disulfide	1.83	76	150610m	20.954	ug/l	
18) Methyl Acetate	2.35	43	24379	22.590	ug/l	93
19) Methyl tert-butyl Ether	2.44	73	99477	22.078	ug/l #	91
20) Methylene Chloride	2.19	84	56658m	22.803	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	57749m	22.255	ug/l	
22) Diisopropyl ether	2.81	45	175903	23.040	ug/l	96
23) Vinyl Acetate	3.19	43	367453	122.091	ug/l	99
24) 1,1-Dichloroethane	2.88	63	102927	23.186	ug/l	99
25) 2-Butanone	4.35	43	108929	115.496	ug/l	93
26) 2,2-Dichloropropane	3.61	77	42515	20.304	ug/l	96
27) cis-1,2-Dichloroethene	3.48	96	75755	23.163	ug/l	98
28) Bromochloromethane	3.72	49	42290	22.959	ug/l	99
29) Tetrahydrofuran	4.08	42	44377	108.193	ug/l	98
30) Chloroform	3.86	83	115249	22.913	ug/l	97
31) Cyclohexane	3.69	56	101680m	23.186	ug/l	
32) 1,1,1-Trichloroethane	4.11	97	65034	19.469	ug/l	98
36) 1,1-Dichloropropene	4.29	75	94316	22.488	ug/l	98
37) Ethyl Acetate	4.12	43	41907	22.253	ug/l #	90
38) Carbon Tetrachloride	3.99	117	63373	20.675	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	107125	21.757	ug/l	99
40) Benzene	4.64	78	236258	21.259	ug/l	99
41) Methacrylonitrile	4.75	41	20843	20.716	ug/l #	89
42) 1,2-Dichloroethane	4.95	62	58964	21.313	ug/l	100
43) Isopropyl Acetate	6.96	43	46594	20.912	ug/l #	91
44) Trichloroethene	5.51	130	74077	21.759	ug/l	97
45) 1,2-Dichloropropane	6.24	63	59405	22.587	ug/l	94
46) Dibromomethane	6.09	93	34519	22.063	ug/l	96
47) Bromodichloromethane	6.39	83	78595	21.307	ug/l	99
48) Methyl methacrylate	6.72	41	28546	19.823	ug/l #	79
49) 1,4-Dioxane	6.71	88	4685	365.757	ug/l #	85
51) 4-Methyl-2-Pentanone	8.26	43	174712	110.422	ug/l	100
52) Toluene	7.63	92	142639	21.006	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	65118	20.911	ug/l	92
54) cis-1,3-Dichloropropene	7.30	75	90196	22.198	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	40162	21.192	ug/l	96
56) Ethyl methacrylate	8.63	69	47366	21.986	ug/l	90
57) 1,3-Dichloropropane	8.85	76	69754	22.065	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.29	63	36252	92.903	ug/l	92
59) 2-Hexanone	9.49	43	130036	113.562	ug/l	92
60) Dibromochloromethane	8.71	129	58296	22.158	ug/l	97
61) 1,2-Dibromoethane	8.99	107	42275	20.796	ug/l	99
64) Tetrachloroethene	8.15	164	59168	22.515	ug/l	92
65) Chlorobenzene	9.80	112	155297	23.072	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	63890	24.488	ug/l	95
67) Ethyl Benzene	9.90	91	276059	23.953	ug/l	96
68) m/p-Xylenes	10.13	106	199638	46.057	ug/l	94
69) o-Xylene	10.72	106	112834	24.327	ug/l	95
70) Styrene	10.79	104	152699	23.764	ug/l	96
71) Bromoform	10.77	173	30709	23.270	ug/l	98
73) Isopropylbenzene	11.12	105	322412	24.715	ug/l	97
74) N-amyl acetate	11.38	43	75936	25.404	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	51735	24.026	ug/l	91
76) 1,2,3-Trichloropropane	11.79	75	35159	23.351	ug/l	93
77) Bromobenzene	11.49	156	63915	21.157	ug/l	95
78) n-propylbenzene	11.59	91	364087	24.272	ug/l	98
79) 2-Chlorotoluene	11.72	91	207045	24.453	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	250054	23.729	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	16932m	25.419	ug/l	
82) 4-Chlorotoluene	11.90	91	204831	23.923	ug/l	98
83) tert-Butylbenzene	12.13	119	276941	25.129	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	255707	24.226	ug/l	96
85) sec-Butylbenzene	12.30	105	373044	25.054	ug/l	99
86) p-Isopropyltoluene	12.46	119	309234	24.889	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	140959	23.740	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	135607	23.728	ug/l	99
89) n-Butylbenzene	12.85	91	297655	25.495	ug/l	98
90) Hexachloroethane	12.91	117	71156	25.095	ug/l	94
91) 1,2-Dichlorobenzene	12.94	146	136443	24.811	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8468	24.507	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	90029	23.509	ug/l	99
94) Hexachlorobutadiene	14.19	225	59958	23.584	ug/l	95
95) Naphthalene	14.45	128	153113	22.231	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	80588	22.874	ug/l	98

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

