

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030119\
 Data File : VF061804.D
 Acq On : 1 Mar 2019 15:55
 Operator : VA/AP
 Sample : VF0301SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0301SBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/4/2019 4:00:54 PM

Quant Time: Mar 02 03:04:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	291604	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.58	114	431485	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.76	117	355067	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	205608	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	116723	54.58	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	109.16%	
35) Dibromofluoromethane	4.10	113	161929	50.54	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	101.08%	
50) Toluene-d8	7.54	98	433013	47.01	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	94.02%	
62) 4-Bromofluorobenzene	11.40	95	173742	46.62	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.24%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	86110	25.714	ug/l	86
3) Chloromethane	1.10	50	81340	23.150	ug/l	90
4) Vinyl Chloride	1.13	62	76306	23.361	ug/l	92
5) Bromomethane	1.32	94	51446	22.885	ug/l	89
6) Chloroethane	1.39	64	36998	22.985	ug/l	97
7) Trichlorofluoromethane	1.48	101	97732	24.808	ug/l	97
8) Diethyl Ether	1.62	74	20967	21.119	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.83	101	70218	24.707	ug/l	95
10) Methyl Iodide	1.91	142	122558m	22.575	ug/l	
11) Tert butyl alcohol	2.56	59	13722	110.880	ug/l #	82
12) 1,1-Dichloroethene	1.79	96	61120	24.460	ug/l	91
13) Acrolein	2.00	56	13872	89.187	ug/l	90
14) Allyl chloride	2.09	41	67489	22.010	ug/l	95
15) Acrylonitrile	2.94	53	43338	98.728	ug/l	95
16) Acetone	2.23	43	54364	118.492	ug/l	99
17) Carbon Disulfide	1.82	76	179791m	22.890	ug/l	
18) Methyl Acetate	2.33	43	26362m	25.506	ug/l	
19) Methyl tert-butyl Ether	2.42	73	96404	22.574	ug/l	99
20) Methylene Chloride	2.18	84	62665m	24.188	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	50646	18.645	ug/l	94
22) Diisopropyl ether	2.79	45	171134	23.251	ug/l #	96
23) Vinyl Acetate	3.17	43	384588	106.979	ug/l	96
24) 1,1-Dichloroethane	2.86	63	103322	23.197	ug/l	98
25) 2-Butanone	4.33	43	106480	106.250	ug/l	94
26) 2,2-Dichloropropane	3.58	77	45289	24.004	ug/l	93
27) cis-1,2-Dichloroethene	3.46	96	78849	22.115	ug/l	98
28) Bromochloromethane	3.70	49	44153	20.660	ug/l	98
29) Tetrahydrofuran	4.06	42	40412	88.722	ug/l	95
30) Chloroform	3.84	83	113088	22.325	ug/l	99
31) Cyclohexane	3.69	56	106181m	22.021	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	73589	22.178	ug/l	98
36) 1,1-Dichloropropene	4.27	75	93115	21.784	ug/l	95
37) Ethyl Acetate	4.10	43	37232	18.753	ug/l #	83
38) Carbon Tetrachloride	3.98	117	67561	22.890	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	112267	22.208	ug/l	92
40) Benzene	4.62	78	240865	21.544	ug/l	99
41) Methacrylonitrile	4.73	41	19699	19.402	ug/l	94
42) 1,2-Dichloroethane	4.93	62	56550	21.145	ug/l	96
43) Isopropyl Acetate	6.95	43	46720	19.881	ug/l #	93
44) Trichloroethene	5.49	130	81797	22.624	ug/l	92
45) 1,2-Dichloropropane	6.22	63	59077	21.860	ug/l	95
46) Dibromomethane	6.07	93	35367	21.255	ug/l	85
47) Bromodichloromethane	6.37	83	81364	22.329	ug/l	98
48) Methyl methacrylate	6.70	41	25545	18.063	ug/l #	87
49) 1,4-Dioxane	6.69	88	5340	401.673	ug/l	94
51) 4-Methyl-2-Pentanone	8.24	43	157283	93.667	ug/l	100
52) Toluene	7.61	92	147055	21.687	ug/l	98
53) t-1,3-Dichloropropene	8.26	75	65377	21.558	ug/l	94
54) cis-1,3-Dichloropropene	7.28	75	90012	22.283	ug/l	92
55) 1,1,2-Trichloroethane	8.48	97	39451	19.802	ug/l	97
56) Ethyl methacrylate	8.61	69	44008	19.841	ug/l	94
57) 1,3-Dichloropropane	8.83	76	70256	21.128	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	34010	88.869	ug/l	92
59) 2-Hexanone	9.47	43	122171	103.794	ug/l	97
60) Dibromochloromethane	8.70	129	58345	21.041	ug/l	94
61) 1,2-Dibromoethane	8.97	107	44274	20.489	ug/l	100
64) Tetrachloroethene	8.13	164	67210	23.158	ug/l	95
65) Chlorobenzene	9.78	112	159005	22.068	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.92	131	63984	22.663	ug/l	99
67) Ethyl Benzene	9.89	91	272505	22.743	ug/l	100
68) m/p-Xylenes	10.11	106	213264	46.506	ug/l	94
69) o-Xylene	10.70	106	113453	23.186	ug/l	93
70) Styrene	10.78	104	155202	22.421	ug/l	98
71) Bromoform	10.76	173	31940	20.833	ug/l	98
73) Isopropylbenzene	11.11	105	334627	22.859	ug/l	98
74) N-amyl acetate	11.36	43	69962	19.911	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	50841	19.386	ug/l	95
76) 1,2,3-Trichloropropane	11.78	75	35404	19.856	ug/l	91
77) Bromobenzene	11.49	156	72736	20.112	ug/l	98
78) n-propylbenzene	11.58	91	369585	22.001	ug/l	100
79) 2-Chlorotoluene	11.70	91	209392	22.257	ug/l	92
80) 1,3,5-Trimethylbenzene	11.81	105	268113	22.916	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	16214m	18.967	ug/l	
82) 4-Chlorotoluene	11.89	91	207372	21.236	ug/l	99
83) tert-Butylbenzene	12.12	119	281531	21.725	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	265509	22.842	ug/l	100
85) sec-Butylbenzene	12.29	105	369184	22.030	ug/l	99
86) p-Isopropyltoluene	12.45	119	324765	23.092	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	152293	21.601	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	148150	21.850	ug/l	99
89) n-Butylbenzene	12.84	91	303514	22.854	ug/l	96
90) Hexachloroethane	12.91	117	73851	22.578	ug/l	90
91) 1,2-Dichlorobenzene	12.93	146	141445	21.092	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7338	17.648	ug/l	60

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	105073	21.860	ug/l	96
94) Hexachlorobutadiene	14.18	225	66267	22.323	ug/l	96
95) Naphthalene	14.44	128	169127	20.110	ug/l	97
96) 1,2,3-Trichlorobenzene	14.59	180	93728	21.245	ug/l	95

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

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