

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011019\
 Data File : VF061340.D
 Acq On : 10 Jan 2019 13:24
 Operator : VA/AP
 Sample : VF0110SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0110SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 3:52:14 PM

Quant Time: Jan 11 00:43:40 2019
 Quant Method : Z:\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 07:13:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	193419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	338431	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	310304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	162344	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	112572	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
35) Dibromofluoromethane	4.13	113	129215	49.90	ug/l	0.01
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	7.56	98	377491	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	11.42	95	174298	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	71405	20.014	ug/l	91
3) Chloromethane	1.10	50	59947	18.855	ug/l	97
4) Vinyl Chloride	1.14	62	52063	18.335	ug/l	94
5) Bromomethane	1.31	94	35525	16.820	ug/l	100
6) Chloroethane	1.39	64	23972	17.288	ug/l	99
7) Trichlorofluoromethane	1.48	101	88937	18.476	ug/l	95
8) Diethyl Ether	1.63	74	13553	19.173	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	46234	18.190	ug/l #	92
10) Methyl Iodide	1.90	142	74982m	18.829	ug/l	
11) Tert butyl alcohol	2.58	59	9712	112.672	ug/l	92
12) 1,1-Dichloroethene	1.79	96	34877	17.159	ug/l	96
13) Acrolein	2.01	56	9326	85.555	ug/l	100
14) Allyl chloride	2.10	41	62254	16.757	ug/l	96
15) Acrylonitrile	2.95	53	28398	92.936	ug/l	95
16) Acetone	2.25	43	61313	122.428	ug/l #	91
17) Carbon Disulfide	1.80	76	108136	16.107	ug/l #	94
18) Methyl Acetate	2.35	43	22048m	22.376	ug/l	
19) Methyl tert-butyl Ether	2.43	73	75794	19.569	ug/l	98
20) Methylene Chloride	2.19	84	37256m	17.584	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	40434	18.773	ug/l	96
22) Diisopropyl ether	2.81	45	132722	18.466	ug/l	94
23) Vinyl Acetate	3.19	43	237403	112.943	ug/l #	95
24) 1,1-Dichloroethane	2.88	63	76767	18.464	ug/l	99
25) 2-Butanone	4.35	43	94621	117.389	ug/l	99
26) 2,2-Dichloropropane	3.62	77	43732	15.740	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	60140	19.999	ug/l	95
28) Bromochloromethane	3.72	49	38162	20.818	ug/l #	95
29) Tetrahydrofuran	4.09	42	36273	107.630	ug/l	97
30) Chloroform	3.87	83	98653	18.692	ug/l	98
31) Cyclohexane	3.71	56	82831	18.990	ug/l	97
32) 1,1,1-Trichloroethane	4.10	97	79922	18.747	ug/l	96
36) 1,1-Dichloropropene	4.30	75	80670	20.412	ug/l	96
37) Ethyl Acetate	4.12	43	33898	23.554	ug/l #	68
38) Carbon Tetrachloride	4.00	117	67041	17.911	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	87555	17.706	ug/l	94
40) Benzene	4.64	78	171816	18.622	ug/l	99
41) Methacrylonitrile	4.75	41	16023	19.937	ug/l #	88
42) 1,2-Dichloroethane	4.95	62	59503	20.714	ug/l	99
43) Isopropyl Acetate	6.97	43	43174	22.722	ug/l #	96
44) Trichloroethene	5.51	130	58531	21.676	ug/l	96
45) 1,2-Dichloropropane	6.24	63	47009	20.035	ug/l	97
46) Dibromomethane	6.10	93	30599	21.240	ug/l	89
47) Bromodichloromethane	6.40	83	74642	20.833	ug/l	95
48) Methyl methacrylate	6.72	41	29036	23.543	ug/l	93
49) 1,4-Dioxane	6.71	88	3544	455.404	ug/l #	86
51) 4-Methyl-2-Pentanone	8.26	43	161130	112.351	ug/l	95
52) Toluene	7.63	92	119025	20.070	ug/l	94
53) t-1,3-Dichloropropene	8.28	75	60792	21.606	ug/l	99
54) cis-1,3-Dichloropropene	7.31	75	81304	21.793	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	36970	22.277	ug/l	97
56) Ethyl methacrylate	8.63	69	41270	22.251	ug/l	97
57) 1,3-Dichloropropane	8.86	76	66147	22.522	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.31	63	9802	124.013	ug/l #	75
59) 2-Hexanone	9.50	43	123665	121.713	ug/l	100
60) Dibromochloromethane	8.73	129	47884	21.669	ug/l	87
61) 1,2-Dibromoethane	8.99	107	38244	22.607	ug/l	96
64) Tetrachloroethene	8.15	164	49670	21.985	ug/l	98
65) Chlorobenzene	9.80	112	131806	21.035	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.94	131	52194	20.414	ug/l	95
67) Ethyl Benzene	9.91	91	254594	21.073	ug/l	96
68) m/p-Xylenes	10.14	106	188955	44.836	ug/l	99
69) o-Xylene	10.72	106	99803	21.200	ug/l	99
70) Styrene	10.80	104	139555	22.252	ug/l	98
71) Bromoform	10.78	173	24546	23.491	ug/l #	94
73) Isopropylbenzene	11.13	105	300457	21.033	ug/l	99
74) N-amyl acetate	11.38	43	75331	23.198	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.71	83	50357	22.232	ug/l	91
76) 1,2,3-Trichloropropane	11.80	75	36721	22.104	ug/l	97
77) Bromobenzene	11.50	156	59593	20.969	ug/l	88
78) n-propylbenzene	11.60	91	362731	21.296	ug/l	98
79) 2-Chlorotoluene	11.72	91	201349	21.218	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	256062	22.527	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	15928m	21.940	ug/l	
82) 4-Chlorotoluene	11.90	91	201520	20.899	ug/l	97
83) tert-Butylbenzene	12.14	119	247195	21.828	ug/l	94
84) 1,2,4-Trimethylbenzene	12.21	105	258535	22.909	ug/l	96
85) sec-Butylbenzene	12.31	105	328806	20.391	ug/l	96
86) p-Isopropyltoluene	12.46	119	267373	20.386	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	118791	21.404	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	113915	21.350	ug/l	97
89) n-Butylbenzene	12.85	91	279208	20.719	ug/l	96
90) Hexachloroethane	12.92	117	56724	18.907	ug/l	93
91) 1,2-Dichlorobenzene	12.95	146	111488	21.046	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	7421	19.391	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	79010	21.674	ug/l	100
94) Hexachlorobutadiene	14.19	225	46977	20.017	ug/l	98
95) Naphthalene	14.46	128	139224	20.266	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	70898	20.646	ug/l	95

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

