

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF050719\
 Data File : VF062356.D
 Acq On : 7 May 2019 14:37
 Operator : FY/SY
 Sample : VF0507SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0507SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 11:10:45 AM

Quant Time: May 07 15:56:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	309954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	409384	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	331446	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	194658	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	155141	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
35) Dibromofluoromethane	4.30	113	176234	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
50) Toluene-d8	7.71	98	393559	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	11.49	95	169507	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	88541	24.682	ug/l	99
3) Chloromethane	1.15	50	55009	23.251	ug/l	93
4) Vinyl Chloride	1.18	62	51404	21.783	ug/l	96
5) Bromomethane	1.40	94	42386	22.419	ug/l	96
6) Chloroethane	1.45	64	27981	23.584	ug/l	96
7) Trichlorofluoromethane	1.56	101	111403m	22.753	ug/l	
8) Diethyl Ether	1.70	74	17156	23.157	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.91	101	66294	23.716	ug/l	96
10) Methyl Iodide	1.99	142	93390	20.273	ug/l	97
11) Tert butyl alcohol	2.70	59	18172	109.768	ug/l	95
12) 1,1-Dichloroethene	1.87	96	50364	21.193	ug/l	99
13) Acrolein	2.09	56	12091	105.996	ug/l	87
14) Allyl chloride	2.19	41	44426	21.163	ug/l	91
15) Acrylonitrile	3.08	53	37729	120.311	ug/l	94
16) Acetone	2.34	43	59658	100.679	ug/l	95
17) Carbon Disulfide	1.93	76	115942m	22.376	ug/l	
18) Methyl Acetate	2.45	43	22092	18.469	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	113703	23.179	ug/l	97
20) Methylene Chloride	2.33	84	45849m	21.386	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	53494m	23.627	ug/l	
22) Diisopropyl ether	2.94	45	152573	23.255	ug/l	97
23) Vinyl Acetate	3.34	43	337214	115.322	ug/l	100
24) 1,1-Dichloroethane	3.00	63	100282	25.290	ug/l #	93
25) 2-Butanone	4.51	43	77960	104.723	ug/l	98
26) 2,2-Dichloropropane	3.76	77	51479	23.248	ug/l	100
27) cis-1,2-Dichloroethene	3.64	96	64204	22.686	ug/l	98
28) Bromochloromethane	3.89	49	36247	20.156	ug/l #	98
29) Tetrahydrofuran	4.27	42	35003	102.305	ug/l	98
30) Chloroform	4.04	83	126555	23.624	ug/l	98
31) Cyclohexane	3.86	56	72438m	22.887	ug/l	
32) 1,1,1-Trichloroethane	4.29	97	82665	18.005	ug/l	94
36) 1,1-Dichloropropene	4.46	75	82748	23.530	ug/l	98
37) Ethyl Acetate	4.30	43	33651	21.578	ug/l #	95
38) Carbon Tetrachloride	4.17	117	88366	22.708	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	80944	22.950	ug/l	99
40) Benzene	4.81	78	177390	22.906	ug/l	99
41) Methacrylonitrile	4.93	41	18483	21.919	ug/l	93
42) 1,2-Dichloroethane	5.12	62	76698	23.681	ug/l	98
43) Isopropyl Acetate	7.11	43	33394	20.877	ug/l #	92
44) Trichloroethene	5.68	130	69434	24.408	ug/l	93
45) 1,2-Dichloropropane	6.40	63	38432	21.910	ug/l	100
46) Dibromomethane	6.26	93	33903	23.312	ug/l	99
47) Bromodichloromethane	6.54	83	82153	22.594	ug/l	94
48) Methyl methacrylate	6.87	41	23607	20.883	ug/l	95
49) 1,4-Dioxane	6.87	88	5866	497.994	ug/l #	83
51) 4-Methyl-2-Pentanone	8.40	43	134433	110.911	ug/l	99
52) Toluene	7.78	92	105712	22.127	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	62183	22.611	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	75337	23.538	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	35048	23.110	ug/l	90
56) Ethyl methacrylate	8.75	69	31749	19.832	ug/l	97
57) 1,3-Dichloropropane	8.99	76	52258	22.812	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.44	63	52504	109.086	ug/l	93
59) 2-Hexanone	9.62	43	87425	104.291	ug/l	96
60) Dibromochloromethane	8.86	129	55997	22.576	ug/l	97
61) 1,2-Dibromoethane	9.13	107	38837	21.788	ug/l	93
64) Tetrachloroethene	8.30	164	65584	24.374	ug/l	96
65) Chlorobenzene	9.92	112	131009	23.889	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	64796	23.422	ug/l	98
67) Ethyl Benzene	10.02	91	221391	23.055	ug/l	99
68) m/p-Xylenes	10.25	106	162403	45.836	ug/l	99
69) o-Xylene	10.81	106	91730	23.959	ug/l	91
70) Styrene	10.88	104	133288	23.229	ug/l	98
71) Bromoform	10.87	173	32973	21.755	ug/l #	98
73) Isopropylbenzene	11.21	105	285739	24.761	ug/l	100
74) N-amyl acetate	11.44	43	54821	22.128	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.77	83	42970	23.781	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	33486	24.291	ug/l #	100
77) Bromobenzene	11.57	156	73037	24.115	ug/l	95
78) n-propylbenzene	11.67	91	296120	24.102	ug/l	98
79) 2-Chlorotoluene	11.79	91	184421	24.140	ug/l	97
80) 1,3,5-Trimethylbenzene	11.89	105	254164	25.128	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.94	75	12128m	23.405	ug/l	
82) 4-Chlorotoluene	11.96	91	176490	23.390	ug/l	100
83) tert-Butylbenzene	12.19	119	266749	25.094	ug/l	99
84) 1,2,4-Trimethylbenzene	12.26	105	244138	24.664	ug/l	98
85) sec-Butylbenzene	12.36	105	317036	24.503	ug/l	99
86) p-Isopropyltoluene	12.52	119	303681	25.262	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	137418	24.843	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	122776	22.998	ug/l	98
89) n-Butylbenzene	12.89	91	261243	24.426	ug/l	98
90) Hexachloroethane	12.97	117	72614	24.192	ug/l	100
91) 1,2-Dichlorobenzene	12.99	146	135240	25.260	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	9400	23.221	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	121963	25.397	ug/l	97
94) Hexachlorobutadiene	14.22	225	89785	25.085	ug/l	96
95) Naphthalene	14.49	128	170689	23.642	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	117246	25.201	ug/l	99

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

