

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF043019\
 Data File : VF062337.D
 Acq On : 30 Apr 2019 17:51
 Operator : FY/SY
 Sample : VF0430SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0430SBS01

Quant Time: May 01 07:58:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	332625	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.76	114	451587	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.89	117	376069	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.60	152	234905	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	154222	57.24	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	114.48%	
35) Dibromofluoromethane	4.30	113	173828	51.92	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.84%	
50) Toluene-d8	7.70	98	389139	47.58	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	95.16%	
62) 4-Bromofluorobenzene	11.48	95	175095	51.94	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	103.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	90292	22.842	ug/l	93
3) Chloromethane	1.14	50	56456	16.954	ug/l	95
4) Vinyl Chloride	1.19	62	60140	19.069	ug/l	96
5) Bromomethane	1.39	94	40833	19.065	ug/l	97
6) Chloroethane	1.43	64	29145	21.081	ug/l	93
7) Trichlorofluoromethane	1.55	101	110425	22.034	ug/l	94
8) Diethyl Ether	1.70	74	15388	16.949	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	69275	22.027	ug/l	98
10) Methyl Iodide	1.97	142	111018	20.195	ug/l	93
11) Tert butyl alcohol	2.70	59	19779	121.357	ug/l	95
12) 1,1-Dichloroethene	1.86	96	53862	19.194	ug/l	90
13) Acrolein	2.10	56	10783	76.489	ug/l	88
14) Allyl chloride	2.19	41	59970	19.637	ug/l #	4
15) Acrylonitrile	3.08	53	39757	88.073	ug/l	96
16) Acetone	2.34	43	66209	109.755	ug/l #	88
17) Carbon Disulfide	1.91	76	129277	17.504	ug/l	98
18) Methyl Acetate	2.45	43	25346	20.850	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	112773	21.080	ug/l	98
20) Methylene Chloride	2.31	84	54619m	17.809	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	51805	18.680	ug/l	96
22) Diisopropyl ether	2.93	45	157869	19.202	ug/l	98
23) Vinyl Acetate	3.33	43	358988	98.467	ug/l	98
24) 1,1-Dichloroethane	3.00	63	96816	20.632	ug/l	99
25) 2-Butanone	4.52	43	90975	95.111	ug/l	94
26) 2,2-Dichloropropane	3.75	77	52743	21.644	ug/l	97
27) cis-1,2-Dichloroethene	3.63	96	62892	17.908	ug/l	93
28) Bromochloromethane	3.89	49	37632	19.031	ug/l #	92
29) Tetrahydrofuran	4.27	42	40419	96.170	ug/l	97
30) Chloroform	4.04	83	126824	21.523	ug/l	92
31) Cyclohexane	3.86	56	78776	17.643	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	109993m	23.776	ug/l	
36) 1,1-Dichloropropene	4.45	75	82677	19.844	ug/l	97
37) Ethyl Acetate	4.30	43	37668	21.491	ug/l #	3
38) Carbon Tetrachloride	4.17	117	102423m	24.182	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	86854	17.858	ug/l	97
40) Benzene	4.81	78	181833	18.064	ug/l	98
41) Methacrylonitrile	4.92	41	19409	19.933	ug/l #	86
42) 1,2-Dichloroethane	5.11	62	76935	24.126	ug/l	100
43) Isopropyl Acetate	7.10	43	39505	21.876	ug/l	99
44) Trichloroethene	5.67	130	70497	20.700	ug/l	100
45) 1,2-Dichloropropane	6.40	63	48142	21.212	ug/l	98
46) Dibromomethane	6.25	93	36434	22.233	ug/l	98
47) Bromodichloromethane	6.54	83	89940	23.346	ug/l	93
48) Methyl methacrylate	6.87	41	24992	19.462	ug/l	90
49) 1,4-Dioxane	6.86	88	5310	359.106	ug/l #	91
51) 4-Methyl-2-Pentanone	8.40	43	152946	110.749	ug/l	98
52) Toluene	7.76	92	116601	20.075	ug/l	93
53) t-1,3-Dichloropropene	8.42	75	70037	24.723	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	79713	21.965	ug/l #	85
55) 1,1,2-Trichloroethane	8.62	97	39338	23.846	ug/l	92
56) Ethyl methacrylate	8.74	69	40428	22.308	ug/l #	87
57) 1,3-Dichloropropane	8.99	76	55783	21.507	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.44	63	64112	116.258	ug/l	98
59) 2-Hexanone	9.61	43	110893	124.418	ug/l	96
60) Dibromochloromethane	8.85	129	61217	22.864	ug/l	97
61) 1,2-Dibromoethane	9.12	107	43573	22.822	ug/l	97
64) Tetrachloroethene	8.29	164	66501	21.141	ug/l	98
65) Chlorobenzene	9.91	112	136744	19.898	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.05	131	65438	20.216	ug/l	97
67) Ethyl Benzene	10.01	91	241520	20.215	ug/l	98
68) m/p-Xylenes	10.25	106	181792	40.869	ug/l	88
69) o-Xylene	10.81	106	100563	20.236	ug/l	99
70) Styrene	10.88	104	146784	20.432	ug/l	95
71) Bromoform	10.87	173	38983	21.395	ug/l #	95
73) Isopropylbenzene	11.21	105	305092	18.956	ug/l	100
74) N-amyl acetate	11.44	43	75955	20.482	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	45596	17.832	ug/l	95
76) 1,2,3-Trichloropropane	11.86	75	34833	19.200	ug/l #	100
77) Bromobenzene	11.57	156	79946	19.870	ug/l	95
78) n-propylbenzene	11.66	91	322756	19.059	ug/l	100
79) 2-Chlorotoluene	11.79	91	191021	18.726	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	258640	19.036	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.92	75	18041m	22.247	ug/l	
82) 4-Chlorotoluene	11.96	91	209642	20.770	ug/l	98
83) tert-Butylbenzene	12.19	119	274904	19.715	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	249961	18.995	ug/l	96
85) sec-Butylbenzene	12.36	105	336527	19.377	ug/l	98
86) p-Isopropyltoluene	12.51	119	305382	19.613	ug/l	97
87) 1,3-Dichlorobenzene	12.53	146	139818	19.642	ug/l	100
88) 1,4-Dichlorobenzene	12.61	146	142649	21.136	ug/l	99
89) n-Butylbenzene	12.89	91	291060	20.573	ug/l	95
90) Hexachloroethane	12.96	117	76316	19.553	ug/l	97
91) 1,2-Dichlorobenzene	12.99	146	143575	21.013	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	10188	19.750	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	130620	21.760	ug/l	100
94) Hexachlorobutadiene	14.22	225	92868	21.512	ug/l	98
95) Naphthalene	14.49	128	189170	20.342	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	122031	21.495	ug/l	98

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

