

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022719\
 Data File : VF061765.D
 Acq On : 27 Feb 2019 14:40
 Operator : VA/AP
 Sample : VF0227SBSD01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0227SBSD01

Quant Time: Feb 28 00:49:04 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	4.86	168	320787	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.59	114	452396	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	409125	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.54	152	231417	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.83	65	136420	57.99	ug/l	-0.03
Spiked Amount			Recovery	=	115.98%	
35) Dibromofluoromethane	4.10	113	192819	57.39	ug/l	-0.02
Spiked Amount			Recovery	=	114.78%	
50) Toluene-d8	7.54	98	551883	57.14	ug/l	-0.02
Spiked Amount			Recovery	=	114.28%	
62) 4-Bromofluorobenzene	11.40	95	221769	56.75	ug/l	-0.02
Spiked Amount			Recovery	=	113.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	88462	24.013	ug/l	97
3) Chloromethane	1.09	50	85755	22.186	ug/l	98
4) Vinyl Chloride	1.13	62	82234	22.886	ug/l	99
5) Bromomethane	1.33	94	52123	21.077	ug/l	96
6) Chloroethane	1.39	64	37565	21.214	ug/l	99
7) Trichlorofluoromethane	1.49	101	100207	23.122	ug/l	99
8) Diethyl Ether	1.62	74	22388	20.498	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.83	101	65720	21.020	ug/l #	87
10) Methyl Iodide	1.90	142	126054m	21.107	ug/l	
11) Tert butyl alcohol	2.56	59	14078	103.408	ug/l #	92
12) 1,1-Dichloroethene	1.79	96	58551	21.300	ug/l	95
13) Acrolein	1.99	56	12800	74.808	ug/l	95
14) Allyl chloride	2.09	41	67486	20.007	ug/l	100
15) Acrylonitrile	2.93	53	41600	86.147	ug/l	96
16) Acetone	2.24	43	56172	111.294	ug/l	99
17) Carbon Disulfide	1.81	76	183137m	21.195	ug/l	
18) Methyl Acetate	2.34	43	26729	23.508	ug/l	95
19) Methyl tert-butyl Ether	2.42	73	96081	20.452	ug/l	99
20) Methylene Chloride	2.17	84	59993m	20.706	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	63119	21.123	ug/l	100
22) Diisopropyl ether	2.79	45	171856	21.225	ug/l	97
23) Vinyl Acetate	3.17	43	392879	99.343	ug/l	98
24) 1,1-Dichloroethane	2.86	63	104545	21.336	ug/l	97
25) 2-Butanone	4.32	43	109429	99.259	ug/l	100
26) 2,2-Dichloropropane	3.59	77	48816	23.520	ug/l	96
27) cis-1,2-Dichloroethene	3.46	96	82194	20.956	ug/l	99
28) Bromochloromethane	3.69	49	45769	19.467	ug/l	93
29) Tetrahydrofuran	4.05	42	46589	92.978	ug/l	99
30) Chloroform	3.84	83	120034	21.541	ug/l	100
31) Cyclohexane	3.68	56	108315m	20.420	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	74986	20.543	ug/l	98
36) 1,1-Dichloropropene	4.26	75	94463	21.078	ug/l	90
37) Ethyl Acetate	4.09	43	39285	18.873	ug/l #	56
38) Carbon Tetrachloride	3.97	117	71569	23.127	ug/l	95

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39) Methylcyclohexane	5.44	83	108294	20.432	ug/l	92
40) Benzene	4.62	78	264381	22.554	ug/l	97
41) Methacrylonitrile	4.73	41	23081	21.682	ug/l	93
42) 1,2-Dichloroethane	4.93	62	61101	21.791	ug/l	93
43) Isopropyl Acetate	6.94	43	50485	20.490	ug/l #	98
44) Trichloroethene	5.49	130	82739	21.827	ug/l	97
45) 1,2-Dichloropropane	6.22	63	64097	22.621	ug/l	99
46) Dibromomethane	6.07	93	37845	21.693	ug/l	94
47) Bromodichloromethane	6.37	83	84065	22.004	ug/l	96
48) Methyl methacrylate	6.70	41	31529	21.264	ug/l	91
49) 1,4-Dioxane	6.70	88	5568	399.464	ug/l #	86
51) 4-Methyl-2-Pentanone	8.24	43	178002	101.106	ug/l	99
52) Toluene	7.61	92	154763	21.769	ug/l	99
53) t-1,3-Dichloropropene	8.26	75	73310	23.056	ug/l	96
54) cis-1,3-Dichloropropene	7.28	75	96914	22.883	ug/l	94
55) 1,1,2-Trichloroethane	8.48	97	43717	20.929	ug/l	92
56) Ethyl methacrylate	8.61	69	50725	21.812	ug/l	99
57) 1,3-Dichloropropane	8.83	76	75374	21.619	ug/l	89
58) 2-Chloroethyl Vinyl ether	7.27	63	39042	97.302	ug/l #	87
59) 2-Hexanone	9.47	43	133139	107.884	ug/l	99
60) Dibromochloromethane	8.70	129	63524	21.850	ug/l	95
61) 1,2-Dibromoethane	8.97	107	49178	21.707	ug/l	96
64) Tetrachloroethene	8.14	164	71639	21.422	ug/l	95
65) Chlorobenzene	9.78	112	178537	21.505	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.91	131	69188	21.268	ug/l	97
67) Ethyl Benzene	9.89	91	302068	21.879	ug/l	98
68) m/p-Xylenes	10.11	106	230797	43.680	ug/l	96
69) o-Xylene	10.70	106	120582	21.387	ug/l	90
70) Styrene	10.78	104	172883	21.675	ug/l	98
71) Bromoform	10.76	173	35976	20.365	ug/l	98
73) Isopropylbenzene	11.11	105	352864	21.416	ug/l	100
74) N-amyl acetate	11.36	43	79700	20.153	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	57522	19.487	ug/l	93
76) 1,2,3-Trichloropropane	11.78	75	39820	19.842	ug/l	99
77) Bromobenzene	11.48	156	85496	21.004	ug/l	98
78) n-propylbenzene	11.58	91	416259	22.016	ug/l	100
79) 2-Chlorotoluene	11.70	91	225680	21.313	ug/l	92
80) 1,3,5-Trimethylbenzene	11.81	105	292042	22.177	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.86	75	18836m	19.577	ug/l	
82) 4-Chlorotoluene	11.89	91	229811	20.909	ug/l	95
83) tert-Butylbenzene	12.12	119	317603	21.775	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	293166	22.408	ug/l	98
85) sec-Butylbenzene	12.29	105	396954	21.046	ug/l	98
86) p-Isopropyltoluene	12.45	119	327852	20.711	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	162521	20.481	ug/l	97
88) 1,4-Dichlorobenzene	12.55	146	164077	21.500	ug/l	99
89) n-Butylbenzene	12.84	91	332660	22.255	ug/l	98
90) Hexachloroethane	12.90	117	80650	21.907	ug/l	89
91) 1,2-Dichlorobenzene	12.93	146	157824	20.910	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8470	18.098	ug/l	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	110190	20.368	ug/l	96
94) Hexachlorobutadiene	14.18	225	71293	21.337	ug/l	99
95) Naphthalene	14.44	128	178994	18.910	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	98767	19.890	ug/l	95

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

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