

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031819\
 Data File : VF061991.D
 Acq On : 18 Mar 2019 12:12
 Operator : VA/AP
 Sample : VF0318SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0318SBS01

Quant Time: Mar 19 01:35:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 18 07:28:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	270815	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	426281	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.75	117	354544	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	191284	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	99192	50.88	ug/l	-0.02
Spiked Amount			Recovery	=	101.76%	
35) Dibromofluoromethane	4.09	113	137150	47.91	ug/l	-0.02
Spiked Amount			Recovery	=	95.82%	
50) Toluene-d8	7.53	98	400040	47.81	ug/l	-0.02
Spiked Amount			Recovery	=	95.62%	
62) 4-Bromofluorobenzene	11.40	95	155997	46.93	ug/l	-0.01
Spiked Amount			Recovery	=	93.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	68369	23.682	ug/l	97
3) Chloromethane	1.10	50	67595	23.040	ug/l	100
4) Vinyl Chloride	1.14	62	64961	22.894	ug/l	98
5) Bromomethane	1.33	94	42347	21.245	ug/l	91
6) Chloroethane	1.39	64	33566	22.915	ug/l	95
7) Trichlorofluoromethane	1.48	101	87774	23.349	ug/l	99
8) Diethyl Ether	1.62	74	18158	21.728	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.83	101	58460	22.073	ug/l	97
10) Methyl Iodide	1.91	142	105637m	22.788	ug/l	
11) Tert butyl alcohol	2.56	59	12936	108.444	ug/l #	84
12) 1,1-Dichloroethene	1.79	96	47838	20.929	ug/l	90
13) Acrolein	1.99	56	14620	113.532	ug/l	94
14) Allyl chloride	2.09	41	60140	20.612	ug/l	97
15) Acrylonitrile	2.93	53	39064	107.689	ug/l #	81
16) Acetone	2.23	43	52904	120.853	ug/l	100
17) Carbon Disulfide	1.81	76	146723	22.196	ug/l	97
18) Methyl Acetate	2.41	43	20232	22.591	ug/l	98
19) Methyl tert-butyl Ether	2.42	73	85286	20.592	ug/l	100
20) Methylene Chloride	2.17	84	49813m	22.103	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	51639	21.649	ug/l	96
22) Diisopropyl ether	2.79	45	147324	20.992	ug/l	98
23) Vinyl Acetate	3.17	43	327180	118.263	ug/l	95
24) 1,1-Dichloroethane	2.86	63	85765	21.017	ug/l	99
25) 2-Butanone	4.32	43	87138	100.510	ug/l	93
26) 2,2-Dichloropropane	3.58	77	40965	21.283	ug/l	92
27) cis-1,2-Dichloroethene	3.46	96	61534	20.468	ug/l	97
28) Bromochloromethane	3.69	49	34071	20.122	ug/l	88
29) Tetrahydrofuran	4.05	42	36617	97.119	ug/l	98
30) Chloroform	3.83	83	101530	21.959	ug/l	87
31) Cyclohexane	3.66	56	89237m	22.320	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	60919	19.840	ug/l	95
36) 1,1-Dichloropropene	4.25	75	80335	20.869	ug/l	97
37) Ethyl Acetate	4.09	43	34312	19.851	ug/l	92
38) Carbon Tetrachloride	3.96	117	57393	20.400	ug/l	93

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39) Methylcyclohexane	5.42	83	93266	20.637	ug/l	96
40) Benzene	4.60	78	209921	20.580	ug/l	98
41) Methacrylonitrile	4.72	41	16131	17.468	ug/l #	91
42) 1,2-Dichloroethane	4.92	62	53085	20.906	ug/l	98
43) Isopropyl Acetate	6.94	43	38149	18.654	ug/l #	94
44) Trichloroethene	5.48	130	66415	21.255	ug/l	96
45) 1,2-Dichloropropane	6.21	63	49883	20.664	ug/l	98
46) Dibromomethane	6.06	93	29293	20.399	ug/l	96
47) Bromodichloromethane	6.36	83	69915	20.651	ug/l	94
48) Methyl methacrylate	6.69	41	26543	20.082	ug/l #	83
49) 1,4-Dioxane	6.68	88	4582	389.738	ug/l #	80
51) 4-Methyl-2-Pentanone	8.24	43	142613	98.203	ug/l	100
52) Toluene	7.60	92	122459	19.649	ug/l	95
53) t-1,3-Dichloropropene	8.25	75	55375	19.374	ug/l	94
54) cis-1,3-Dichloropropene	7.27	75	75028	20.118	ug/l	96
55) 1,1,2-Trichloroethane	8.47	97	33183	19.077	ug/l	97
56) Ethyl methacrylate	8.60	69	37506	18.968	ug/l	98
57) 1,3-Dichloropropane	8.83	76	56189	19.365	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.27	63	34572	96.529	ug/l	97
59) 2-Hexanone	9.47	43	116300	110.658	ug/l	95
60) Dibromochloromethane	8.69	129	50661	20.979	ug/l	91
61) 1,2-Dibromoethane	8.96	107	37069	19.867	ug/l	92
64) Tetrachloroethene	8.13	164	57080	22.148	ug/l	98
65) Chlorobenzene	9.78	112	136107	20.619	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.91	131	54700	21.378	ug/l	96
67) Ethyl Benzene	9.88	91	232533	20.574	ug/l	97
68) m/p-Xylenes	10.10	106	181375	42.667	ug/l	90
69) o-Xylene	10.70	106	97131	21.354	ug/l	95
70) Styrene	10.76	104	136003	21.582	ug/l	98
71) Bromoform	10.75	173	27535	21.276	ug/l	89
73) Isopropylbenzene	11.11	105	282774	21.398	ug/l	99
74) N-amyl acetate	11.36	43	64126	21.177	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.68	83	43365	19.880	ug/l	97
76) 1,2,3-Trichloropropane	11.78	75	31233	20.477	ug/l	97
77) Bromobenzene	11.47	156	64245	20.993	ug/l	90
78) n-propylbenzene	11.57	91	322031	21.193	ug/l	98
79) 2-Chlorotoluene	11.70	91	186451	21.738	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	213509	20.001	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	14079m	20.865	ug/l	
82) 4-Chlorotoluene	11.88	91	185844	21.426	ug/l	97
83) tert-Butylbenzene	12.12	119	242937	21.761	ug/l	99
84) 1,2,4-Trimethylbenzene	12.18	105	221108	20.679	ug/l	93
85) sec-Butylbenzene	12.29	105	323674	21.459	ug/l	99
86) p-Isopropyltoluene	12.44	119	279141	22.178	ug/l	95
87) 1,3-Dichlorobenzene	12.46	146	130788	21.744	ug/l	99
88) 1,4-Dichlorobenzene	12.55	146	117938	20.372	ug/l	98
89) n-Butylbenzene	12.83	91	257474	21.770	ug/l	96
90) Hexachloroethane	12.90	117	63479	22.100	ug/l	87
91) 1,2-Dichlorobenzene	12.92	146	119308	21.416	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.62	75	6749	19.281	ug/l	61

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	84059	21.668	ug/l	95
94) Hexachlorobutadiene	14.18	225	55273	21.462	ug/l	99
95) Naphthalene	14.44	128	135463	19.415	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	78888	22.103	ug/l	97

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

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