

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011419\
 Data File : VF061386.D
 Acq On : 14 Jan 2019 13:43
 Operator : VA/AP
 Sample : VF0114SBS01
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0114SBS01

Quant Time: Jan 14 21:52:18 2019
 Quant Method : Z:\VOASRV\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	4.85	168	194215	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	334443	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.76	117	310414	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	157070	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	125101	57.87	ug/l	-0.03
Spiked Amount			Recovery	=	115.74%	
35) Dibromofluoromethane	4.10	113	143452	56.06	ug/l	-0.01
Spiked Amount			Recovery	=	112.12%	
50) Toluene-d8	7.53	98	387929	51.23	ug/l	-0.03
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	11.40	95	171577	51.89	ug/l	-0.01
Spiked Amount			Recovery	=	103.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	72455	20.225	ug/l	93
3) Chloromethane	1.09	50	55320	17.329	ug/l	92
4) Vinyl Chloride	1.13	62	52089	18.269	ug/l	94
5) Bromomethane	1.31	94	29935	14.513	ug/l	96
6) Chloroethane	1.39	64	22142	15.903	ug/l	95
7) Trichlorofluoromethane	1.47	101	87647	18.133	ug/l	99
8) Diethyl Ether	1.62	74	11637	16.395	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.82	101	41832	16.390	ug/l	96
10) Methyl Iodide	1.91	142	69204m	17.307	ug/l	
11) Tert butyl alcohol	2.55	59	9664	111.656	ug/l #	86
12) 1,1-Dichloroethene	1.79	96	33978m	16.649	ug/l	
13) Acrolein	1.99	56	7129	59.605	ug/l #	81
14) Allyl chloride	2.09	41	58440	15.666	ug/l #	96
15) Acrylonitrile	2.93	53	25979	84.671	ug/l #	89
16) Acetone	2.23	43	54058	107.499	ug/l #	84
17) Carbon Disulfide	1.81	76	101157	15.006	ug/l	100
18) Methyl Acetate	2.33	43	21126m	21.353	ug/l	
19) Methyl tert-butyl Ether	2.42	73	66363	17.064	ug/l	94
20) Methylene Chloride	2.18	84	35795m	16.825	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	36731	16.984	ug/l	87
22) Diisopropyl ether	2.79	45	122264	16.941	ug/l	97
23) Vinyl Acetate	3.17	43	245992	116.550	ug/l	97
24) 1,1-Dichloroethane	2.86	63	71923	17.228	ug/l	96
25) 2-Butanone	4.32	43	83927	103.695	ug/l	96
26) 2,2-Dichloropropane	3.58	77	47779	17.127	ug/l	93
27) cis-1,2-Dichloroethene	3.46	96	57815	19.147	ug/l	98
28) Bromochloromethane	3.70	49	36428	19.790	ug/l	89
29) Tetrahydrofuran	4.05	42	34762	102.724	ug/l	94
30) Chloroform	3.84	83	109608	20.682	ug/l	97
31) Cyclohexane	3.67	56	81643m	18.641	ug/l	
32) 1,1,1-Trichloroethane	4.07	97	72746	16.994	ug/l	95
36) 1,1-Dichloropropene	4.26	75	79029	20.235	ug/l	100
37) Ethyl Acetate	4.09	43	30185	21.224	ug/l #	64
38) Carbon Tetrachloride	3.97	117	66075	17.863	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	91805	18.787	ug/l	93
40) Benzene	4.61	78	177384	19.454	ug/l	99
41) Methacrylonitrile	4.73	41	18020	22.689	ug/l	93
42) 1,2-Dichloroethane	4.93	62	57539	20.269	ug/l	97
43) Isopropyl Acetate	6.94	43	39606	21.093	ug/l #	91
44) Trichloroethene	5.48	130	57529	21.559	ug/l	88
45) 1,2-Dichloropropane	6.22	63	48356	20.855	ug/l	95
46) Dibromomethane	6.06	93	29477	20.706	ug/l	93
47) Bromodichloromethane	6.37	83	76059	21.482	ug/l	98
48) Methyl methacrylate	6.70	41	22988	18.861	ug/l	93
49) 1,4-Dioxane	6.68	88	3749	487.491	ug/l	96
51) 4-Methyl-2-Pentanone	8.24	43	154120	108.744	ug/l	99
52) Toluene	7.60	92	112735	19.236	ug/l	97
53) t-1,3-Dichloropropene	8.26	75	61017	21.944	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	79354	21.524	ug/l	92
55) 1,1,2-Trichloroethane	8.47	97	32757	19.974	ug/l	95
56) Ethyl methacrylate	8.61	69	36661	20.002	ug/l	96
57) 1,3-Dichloropropane	8.83	76	60240	20.755	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.28	63	10270	131.484	ug/l	92
59) 2-Hexanone	9.48	43	110667	110.219	ug/l	100
60) Dibromochloromethane	8.70	129	46216	21.164	ug/l	99
61) 1,2-Dibromoethane	8.97	107	35097	20.995	ug/l	100
64) Tetrachloroethene	8.13	164	47802	21.151	ug/l	95
65) Chlorobenzene	9.78	112	125364	20.000	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.91	131	51372	20.085	ug/l	96
67) Ethyl Benzene	9.88	91	235139	19.456	ug/l	100
68) m/p-Xylenes	10.12	106	170327	40.402	ug/l	100
69) o-Xylene	10.70	106	86128	18.289	ug/l	92
70) Styrene	10.78	104	125430	19.993	ug/l	96
71) Bromoform	10.76	173	23979	22.940	ug/l #	88
73) Isopropylbenzene	11.11	105	283908	20.541	ug/l	99
74) N-amyl acetate	11.36	43	66227	21.079	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.69	83	46858	21.382	ug/l	92
76) 1,2,3-Trichloropropane	11.78	75	32778	20.393	ug/l	90
77) Bromobenzene	11.48	156	55917	20.336	ug/l	91
78) n-propylbenzene	11.58	91	343167	20.824	ug/l	96
79) 2-Chlorotoluene	11.71	91	195614	21.306	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	231356	21.037	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	13126m	18.688	ug/l	
82) 4-Chlorotoluene	11.88	91	185364	19.869	ug/l	95
83) tert-Butylbenzene	12.12	119	229204	20.919	ug/l	98
84) 1,2,4-Trimethylbenzene	12.19	105	223851	20.501	ug/l	95
85) sec-Butylbenzene	12.30	105	300889	19.286	ug/l	100
86) p-Isopropyltoluene	12.44	119	268291	21.142	ug/l	98
87) 1,3-Dichlorobenzene	12.46	146	114958	21.408	ug/l	96
88) 1,4-Dichlorobenzene	12.55	146	109767	21.263	ug/l	97
89) n-Butylbenzene	12.83	91	278014	21.323	ug/l	94
90) Hexachloroethane	12.91	117	61693	21.253	ug/l	94
91) 1,2-Dichlorobenzene	12.93	146	105924	20.667	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	7665	20.701	ug/l	72

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93) 1,2,4-Trichlorobenzene	14.19	180	72882	20.664	ug/l	95
94) Hexachlorobutadiene	14.18	225	46777	20.601	ug/l	98
95) Naphthalene	14.45	128	123405	18.566	ug/l	100
96) 1,2,3-Trichlorobenzene	14.59	180	62310	18.755	ug/l	98

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

