

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021519\
 Data File : VF061652.D
 Acq On : 15 Feb 2019 13:19
 Operator : VA/AP
 Sample : VF0215SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0215SBSD01

Quant Time: Feb 16 04:04:29 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	4.90	168	302225	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.62	114	397527	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	320412	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	159193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.87	65	79177	35.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.46%	
35) Dibromofluoromethane	4.14	113	134165	45.45	ug/l	0.02
Spiked Amount	50.000		Recovery	=	90.90%	
50) Toluene-d8	7.57	98	429973	50.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.34%	
62) 4-Bromofluorobenzene	11.43	95	152365	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	78490	22.615	ug/l	90
3) Chloromethane	1.09	50	73456	20.172	ug/l	91
4) Vinyl Chloride	1.14	62	71273	21.054	ug/l	94
5) Bromomethane	1.33	94	49849	21.395	ug/l	95
6) Chloroethane	1.40	64	32202	19.302	ug/l	93
7) Trichlorofluoromethane	1.49	101	93011	22.780	ug/l	99
8) Diethyl Ether	1.64	74	12285	11.939	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.84	101	63396	21.523	ug/l	88
10) Methyl Iodide	1.91	142	86481	15.370	ug/l	98
11) Tert butyl alcohol	2.58	59	5867	45.742	ug/l #	73
12) 1,1-Dichloroethene	1.80	96	58519	22.596	ug/l	96
13) Acrolein	2.02	56	10350	64.204	ug/l	98
14) Allyl chloride	2.11	41	74831	23.547	ug/l	94
15) Acrylonitrile	2.95	53	21959	48.266	ug/l	88
16) Acetone	2.25	43	27608	58.060	ug/l	96
17) Carbon Disulfide	1.81	76	180682	22.195	ug/l	100
18) Methyl Acetate	2.35	43	13247	12.366	ug/l	98
19) Methyl tert-butyl Ether	2.44	73	53743	12.142	ug/l	99
20) Methylene Chloride	2.20	84	44346m	15.674	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	53024	18.834	ug/l	96
22) Diisopropyl ether	2.82	45	121159	15.883	ug/l	94
23) Vinyl Acetate	3.21	43	201006	53.948	ug/l	98
24) 1,1-Dichloroethane	2.89	63	88044	19.072	ug/l	100
25) 2-Butanone	4.36	43	64258	61.866	ug/l	91
26) 2,2-Dichloropropane	3.62	77	42386	21.676	ug/l	99
27) cis-1,2-Dichloroethene	3.50	96	64402	17.428	ug/l	93
28) Bromochloromethane	3.74	49	32054	14.471	ug/l	98
29) Tetrahydrofuran	4.10	42	21089	44.672	ug/l	97
30) Chloroform	3.88	83	91453	17.420	ug/l	99
31) Cyclohexane	3.71	56	105874	21.185	ug/l	98
32) 1,1,1-Trichloroethane	4.11	97	66992	19.480	ug/l	93
36) 1,1-Dichloropropene	4.31	75	89207	22.653	ug/l	96
37) Ethyl Acetate	4.13	43	20689	11.311	ug/l #	1
38) Carbon Tetrachloride	4.01	117	68892	25.335	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	114867	24.664	ug/l	96
40) Benzene	4.65	78	213770	20.753	ug/l	97
41) Methacrylonitrile	4.77	41	11267	12.045	ug/l	98
42) 1,2-Dichloroethane	4.97	62	38394	15.583	ug/l	96
43) Isopropyl Acetate	6.98	43	25076	11.582	ug/l #	96
44) Trichloroethene	5.53	130	73802	22.157	ug/l	96
45) 1,2-Dichloropropane	6.26	63	44285	17.787	ug/l	97
46) Dibromomethane	6.11	93	21094	13.760	ug/l	95
47) Bromodichloromethane	6.41	83	57054	16.995	ug/l	96
48) Methyl methacrylate	6.73	41	14889	11.427	ug/l	90
49) 1,4-Dioxane	6.73	88	3127	255.304	ug/l #	78
51) 4-Methyl-2-Pentanone	8.28	43	85237	55.098	ug/l	96
52) Toluene	7.65	92	126881	20.311	ug/l	97
53) t-1,3-Dichloropropene	8.30	75	43802	15.677	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	63021	16.934	ug/l	94
55) 1,1,2-Trichloroethane	8.51	97	26141	14.242	ug/l	98
56) Ethyl methacrylate	8.64	69	24943	12.206	ug/l	94
57) 1,3-Dichloropropane	8.87	76	42218	13.781	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.31	63	21359	60.579	ug/l	98
59) 2-Hexanone	9.51	43	60909	56.167	ug/l	100
60) Dibromochloromethane	8.73	129	36579	14.318	ug/l	91
61) 1,2-Dibromoethane	9.01	107	28281	14.206	ug/l	87
64) Tetrachloroethene	8.17	164	60985	23.286	ug/l	95
65) Chlorobenzene	9.82	112	136043	20.924	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.96	131	49994	19.623	ug/l	95
67) Ethyl Benzene	9.92	91	247402	22.881	ug/l	100
68) m/p-Xylenes	10.15	106	187367	45.278	ug/l	97
69) o-Xylene	10.73	106	98701	22.353	ug/l	100
70) Styrene	10.80	104	124622	19.950	ug/l	97
71) Bromoform	10.79	173	18806	13.593	ug/l	99
73) Isopropylbenzene	11.14	105	310896	27.430	ug/l	99
74) N-amyl acetate	11.39	43	35814	13.165	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.71	83	28779	14.173	ug/l	91
76) 1,2,3-Trichloropropane	11.81	75	20533	14.873	ug/l	100
77) Bromobenzene	11.51	156	57902	20.679	ug/l	98
78) n-propylbenzene	11.61	91	354943	27.290	ug/l	99
79) 2-Chlorotoluene	11.73	91	176540	24.236	ug/l	95
80) 1,3,5-Trimethylbenzene	11.84	105	233993	25.831	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	12162	18.376	ug/l	88
82) 4-Chlorotoluene	11.91	91	173397	22.934	ug/l	95
83) tert-Butylbenzene	12.15	119	263498	26.262	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	220975	24.553	ug/l	95
85) sec-Butylbenzene	12.32	105	354380	27.313	ug/l	99
86) p-Isopropyltoluene	12.47	119	304764	27.988	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	121510	22.260	ug/l	96
88) 1,4-Dichlorobenzene	12.58	146	111470	21.233	ug/l	99
89) n-Butylbenzene	12.86	91	285864	27.801	ug/l	98
90) Hexachloroethane	12.93	117	65363	25.809	ug/l	95
91) 1,2-Dichlorobenzene	12.95	146	106066	20.428	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	3591	11.154	ug/l	71

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93) 1,2,4-Trichlorobenzene	14.22	180	72422	19.460	ug/l	98
94) Hexachlorobutadiene	14.21	225	63221	27.506	ug/l	96
95) Naphthalene	14.47	128	88094	13.529	ug/l	98
96) 1,2,3-Trichlorobenzene	14.61	180	60536	17.722	ug/l	96

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

