

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF021519\
 Data File : VF061651.D
 Acq On : 15 Feb 2019 12:50
 Operator : VA/AP
 Sample : VF0215SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0215SBS01

Quant Time: Feb 16 05:24:27 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	4.89	168	335693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.62	114	481365	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	436499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	241979	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	128122	52.05	ug/l	0.00
Spiked Amount						
			Recovery	=	104.10%	
35) Dibromofluoromethane	4.13	113	184350	51.57	ug/l	0.00
Spiked Amount						
			Recovery	=	103.14%	
50) Toluene-d8	7.57	98	521460	50.74	ug/l	0.00
Spiked Amount						
			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.42	95	209333	50.35	ug/l	0.00
Spiked Amount						
			Recovery	=	100.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	87922	22.807	ug/l	96
3) Chloromethane	1.11	50	90280	22.320	ug/l	95
4) Vinyl Chloride	1.15	62	83313	22.157	ug/l	91
5) Bromomethane	1.35	94	51668	19.965	ug/l	92
6) Chloroethane	1.39	64	36640	19.773	ug/l	96
7) Trichlorofluoromethane	1.48	101	94123	20.754	ug/l	94
8) Diethyl Ether	1.64	74	21248	18.591	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.83	101	61739	18.870	ug/l #	85
10) Methyl Iodide	1.91	142	97542	15.607	ug/l	97
11) Tert butyl alcohol	2.59	59	12408	87.094	ug/l #	91
12) 1,1-Dichloroethene	1.79	96	53427	18.573	ug/l	90
13) Acrolein	2.02	56	22140	123.649	ug/l	91
14) Allyl chloride	2.11	41	72877	20.646	ug/l	98
15) Acrylonitrile	2.95	53	49612	98.177	ug/l #	95
16) Acetone	2.24	43	56860	107.655	ug/l	96
17) Carbon Disulfide	1.83	76	164865	18.233	ug/l	99
18) Methyl Acetate	2.35	43	21022	17.668	ug/l	93
19) Methyl tert-butyl Ether	2.44	73	99106	20.159	ug/l	96
20) Methylene Chloride	2.19	84	65519m	21.725	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	59137	18.911	ug/l	98
22) Diisopropyl ether	2.82	45	171689	20.263	ug/l	98
23) Vinyl Acetate	3.20	43	413544	99.926	ug/l	99
24) 1,1-Dichloroethane	2.88	63	103756	20.235	ug/l	98
25) 2-Butanone	4.35	43	121867	105.633	ug/l	95
26) 2,2-Dichloropropane	3.61	77	46951	21.617	ug/l	93
27) cis-1,2-Dichloroethene	3.49	96	83665	20.384	ug/l	96
28) Bromochloromethane	3.73	49	48951	19.896	ug/l #	100
29) Tetrahydrofuran	4.10	42	51606	98.417	ug/l	97
30) Chloroform	3.88	83	119335	20.465	ug/l	100
31) Cyclohexane	3.71	56	107865	19.432	ug/l	99
32) 1,1,1-Trichloroethane	4.12	97	80405	21.049	ug/l	96
36) 1,1-Dichloropropene	4.29	75	97267	20.398	ug/l	94
37) Ethyl Acetate	4.14	43	41177	18.591	ug/l	95
38) Carbon Tetrachloride	4.01	117	73480	22.316	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	111406	19.755	ug/l	98
40) Benzene	4.65	78	273100	21.896	ug/l	98
41) Methacrylonitrile	4.76	41	25567	22.572	ug/l	93
42) 1,2-Dichloroethane	4.96	62	58397	19.573	ug/l	93
43) Isopropyl Acetate	6.98	43	54394	20.748	ug/l	92
44) Trichloroethene	5.52	130	85025	21.080	ug/l	97
45) 1,2-Dichloropropane	6.25	63	62258	20.650	ug/l	99
46) Dibromomethane	6.10	93	40253	21.685	ug/l	94
47) Bromodichloromethane	6.41	83	85860	21.121	ug/l	98
48) Methyl methacrylate	6.73	41	32625	20.679	ug/l	93
49) 1,4-Dioxane	6.73	88	5000	337.126	ug/l #	80
51) 4-Methyl-2-Pentanone	8.28	43	195723	104.481	ug/l	98
52) Toluene	7.64	92	157367	20.803	ug/l	97
53) t-1,3-Dichloropropene	8.29	75	68407	20.220	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	97032	21.532	ug/l	96
55) 1,1,2-Trichloroethane	8.51	97	47282	21.274	ug/l	98
56) Ethyl methacrylate	8.63	69	54947	22.205	ug/l	98
57) 1,3-Dichloropropane	8.87	76	75123	20.250	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.31	63	44270	103.692	ug/l	95
59) 2-Hexanone	9.51	43	147118	112.037	ug/l	96
60) Dibromochloromethane	8.73	129	62929	20.342	ug/l	97
61) 1,2-Dibromoethane	9.00	107	50978	21.147	ug/l	91
64) Tetrachloroethene	8.17	164	73256	20.532	ug/l	98
65) Chlorobenzene	9.82	112	180435	20.371	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.95	131	69373	19.987	ug/l	94
67) Ethyl Benzene	9.92	91	297225	20.178	ug/l	99
68) m/p-Xylenes	10.14	106	236246	41.907	ug/l	95
69) o-Xylene	10.72	106	126588	21.044	ug/l	99
70) Styrene	10.80	104	165383	19.434	ug/l	96
71) Bromoform	10.78	173	36504	19.368	ug/l	92
73) Isopropylbenzene	11.14	105	363333	21.089	ug/l	99
74) N-amyl acetate	11.38	43	82048	19.841	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.71	83	60540	19.614	ug/l	90
76) 1,2,3-Trichloropropane	11.81	75	38679	18.432	ug/l	82
77) Bromobenzene	11.51	156	85542	20.098	ug/l	94
78) n-propylbenzene	11.61	91	320977	16.235	ug/l	98
79) 2-Chlorotoluene	11.73	91	224302	20.258	ug/l	94
80) 1,3,5-Trimethylbenzene	11.84	105	275086	19.978	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	19972m	19.852	ug/l	
82) 4-Chlorotoluene	11.91	91	232305	20.214	ug/l	95
83) tert-Butylbenzene	12.14	119	311039	20.394	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	278939	20.390	ug/l	98
85) sec-Butylbenzene	12.32	105	392156	19.884	ug/l	99
86) p-Isopropyltoluene	12.47	119	356267	21.524	ug/l	99
87) 1,3-Dichlorobenzene	12.49	146	173331	20.890	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	164061	20.559	ug/l	98
89) n-Butylbenzene	12.85	91	333449	21.334	ug/l	97
90) Hexachloroethane	12.93	117	78516	20.396	ug/l	91
91) 1,2-Dichlorobenzene	12.95	146	159206	20.172	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	9169	18.737	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	116896	20.664	ug/l	95
94) Hexachlorobutadiene	14.21	225	70483	20.174	ug/l	97
95) Naphthalene	14.47	128	189345	19.130	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	103637	19.960	ug/l	99

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

