

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF043019\
 Data File : VF062333.D
 Acq On : 30 Apr 2019 15:03
 Operator : FY/SY
 Sample : VF0430SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0430SBS01

Quant Time: May 01 03:55:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 08:40:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	362529	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.77	114	432868	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.90	117	347435	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.60	152	208071	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	145305	49.48	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	98.96%	
35) Dibromofluoromethane	4.29	113	165895	51.69	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	103.38%	
50) Toluene-d8	7.71	98	373993	47.71	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	95.42%	
62) 4-Bromofluorobenzene	11.49	95	163815	50.70	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	101.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	87383	20.283	ug/l	97
3) Chloromethane	1.15	50	55236	15.219	ug/l #	88
4) Vinyl Chloride	1.19	62	55029	16.009	ug/l #	86
5) Bromomethane	1.38	94	45431	19.462	ug/l	91
6) Chloroethane	1.45	64	27896	18.513	ug/l	91
7) Trichlorofluoromethane	1.55	101	109247	20.001	ug/l	94
8) Diethyl Ether	1.70	74	16924	17.103	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.91	101	65237	19.032	ug/l	97
10) Methyl Iodide	1.99	142	108408	18.093	ug/l	93
11) Tert butyl alcohol	2.70	59	18291	102.970	ug/l	95
12) 1,1-Dichloroethene	1.87	96	52180	17.061	ug/l	97
13) Acrolein	2.10	56	11916	77.439	ug/l	95
14) Allyl chloride	2.20	41	56185	16.880	ug/l #	47
15) Acrylonitrile	3.08	53	37290	75.794	ug/l	93
16) Acetone	2.34	43	66848	101.673	ug/l	98
17) Carbon Disulfide	1.92	76	125403	15.579	ug/l	96
18) Methyl Acetate	2.46	43	24321	17.976	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	111368	19.100	ug/l	98
20) Methylene Chloride	2.34	84	53375m	15.358	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	52635	17.414	ug/l	95
22) Diisopropyl ether	2.93	45	151801	16.941	ug/l #	97
23) Vinyl Acetate	3.34	43	330204	83.100	ug/l	97
24) 1,1-Dichloroethane	3.00	63	100078	19.568	ug/l	99
25) 2-Butanone	4.52	43	87621	84.048	ug/l	98
26) 2,2-Dichloropropane	3.76	77	51109	19.243	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	62186	16.247	ug/l	93
28) Bromochloromethane	3.89	49	37265	17.291	ug/l #	92
29) Tetrahydrofuran	4.27	42	36768	80.267	ug/l	97
30) Chloroform	4.05	83	120686	18.792	ug/l	98
31) Cyclohexane	3.87	56	75573	15.529	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	100908m	20.013	ug/l	
36) 1,1-Dichloropropene	4.46	75	80082	20.053	ug/l	98
37) Ethyl Acetate	4.29	43	32520	19.356	ug/l	84
38) Carbon Tetrachloride	4.18	117	89833	22.127	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	83734	17.961	ug/l	96
40) Benzene	4.82	78	177555	18.402	ug/l	96
41) Methacrylonitrile	4.93	41	19537	20.932	ug/l #	89
42) 1,2-Dichloroethane	5.12	62	76428	25.003	ug/l	97
43) Isopropyl Acetate	7.10	43	35318	20.389	ug/l #	96
44) Trichloroethene	5.67	130	67026	20.532	ug/l	100
45) 1,2-Dichloropropane	6.40	63	40329	18.538	ug/l	98
46) Dibromomethane	6.26	93	34906	22.221	ug/l	98
47) Bromodichloromethane	6.54	83	82656	22.383	ug/l	91
48) Methyl methacrylate	6.87	41	23090	18.759	ug/l #	88
49) 1,4-Dioxane	6.87	88	4941	348.601	ug/l #	81
51) 4-Methyl-2-Pentanone	8.40	43	133723	101.016	ug/l	95
52) Toluene	7.77	92	110375	19.824	ug/l	95
53) t-1,3-Dichloropropene	8.42	75	57523	21.183	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	70778	20.346	ug/l #	84
55) 1,1,2-Trichloroethane	8.62	97	33878	21.425	ug/l #	89
56) Ethyl methacrylate	8.75	69	33346	19.196	ug/l #	86
57) 1,3-Dichloropropane	8.99	76	48269	19.415	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.44	63	54179	102.494	ug/l	100
59) 2-Hexanone	9.62	43	90426	103.596	ug/l	99
60) Dibromochloromethane	8.85	129	54936	21.406	ug/l	100
61) 1,2-Dibromoethane	9.12	107	37652	20.574	ug/l	98
64) Tetrachloroethene	8.30	164	61141	21.039	ug/l	97
65) Chlorobenzene	9.92	112	127215	20.037	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.05	131	68829	23.016	ug/l	95
67) Ethyl Benzene	10.02	91	222556	20.163	ug/l	96
68) m/p-Xylenes	10.25	106	162604	39.568	ug/l	93
69) o-Xylene	10.81	106	93574	20.381	ug/l	98
70) Styrene	10.88	104	130389	19.646	ug/l	98
71) Bromoform	10.87	173	34554	20.527	ug/l #	98
73) Isopropylbenzene	11.20	105	284075	19.927	ug/l	99
74) N-amyl acetate	11.44	43	56107	17.081	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	44084	19.464	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	31698	19.726	ug/l #	100
77) Bromobenzene	11.57	156	65930	18.500	ug/l	98
78) n-propylbenzene	11.67	91	299992	19.999	ug/l	99
79) 2-Chlorotoluene	11.80	91	181694	20.109	ug/l	98
80) 1,3,5-Trimethylbenzene	11.89	105	255351	21.218	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.93	75	12585m	17.521	ug/l	
82) 4-Chlorotoluene	11.96	91	179049	20.027	ug/l	98
83) tert-Butylbenzene	12.19	119	262493	21.253	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	230721	19.794	ug/l	97
85) sec-Butylbenzene	12.37	105	309930	20.147	ug/l	98
86) p-Isopropyltoluene	12.52	119	301378	21.852	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	131267	20.819	ug/l	99
88) 1,4-Dichlorobenzene	12.62	146	121305	20.292	ug/l	97
89) n-Butylbenzene	12.89	91	269062	21.470	ug/l	95
90) Hexachloroethane	12.97	117	71647	20.724	ug/l	99
91) 1,2-Dichlorobenzene	12.99	146	128143	21.173	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	10091	22.085	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	118293	22.248	ug/l	99
94) Hexachlorobutadiene	14.22	225	86766	22.691	ug/l	99
95) Naphthalene	14.49	128	163090	19.799	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	113273	22.526	ug/l	98

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

