

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042919\
 Data File : VF062316.D
 Acq On : 29 Apr 2019 16:51
 Operator : FY/SY
 Sample : VF0429SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0429SBS01

Quant Time: Apr 30 03:54:19 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	5.03	168	354799	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.76	114	458868	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.89	117	385836	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.60	152	238748	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	156208	54.35	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	108.70%	
35) Dibromofluoromethane	4.29	113	180247	52.98	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.96%	
50) Toluene-d8	7.70	98	422583	50.85	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	11.48	95	185982	54.29	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	108.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	91495	21.700	ug/l	100
3) Chloromethane	1.13	50	62549	17.610	ug/l	96
4) Vinyl Chloride	1.18	62	60897	18.102	ug/l	96
5) Bromomethane	1.37	94	45884	20.085	ug/l	97
6) Chloroethane	1.43	64	28022	19.002	ug/l	89
7) Trichlorofluoromethane	1.54	101	115582	21.622	ug/l	91
8) Diethyl Ether	1.70	74	17028	17.583	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.90	101	66430	19.802	ug/l	95
10) Methyl Iodide	1.97	142	121254	20.678	ug/l	97
11) Tert butyl alcohol	2.69	59	17597	101.221	ug/l #	90
12) 1,1-Dichloroethene	1.86	96	55760	18.629	ug/l	84
13) Acrolein	2.09	56	13634	89.139	ug/l	85
14) Allyl chloride	2.18	41	88180	27.069	ug/l #	56
15) Acrylonitrile	3.07	53	38181	79.296	ug/l	94
16) Acetone	2.33	43	61933	96.250	ug/l	92
17) Carbon Disulfide	1.91	76	134230	17.039	ug/l #	92
18) Methyl Acetate	2.45	43	23687	17.873	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	110712	19.401	ug/l	99
20) Methylene Chloride	2.32	84	54963m	16.468	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	55201	18.661	ug/l	90
22) Diisopropyl ether	2.92	45	156716	17.870	ug/l	95
23) Vinyl Acetate	3.33	43	341582	87.837	ug/l	99
24) 1,1-Dichloroethane	2.99	63	94706	18.921	ug/l	97
25) 2-Butanone	4.51	43	88742	86.978	ug/l	98
26) 2,2-Dichloropropane	3.75	77	55995	21.542	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	65598	17.511	ug/l	98
28) Bromochloromethane	3.88	49	40051	18.988	ug/l #	98
29) Tetrahydrofuran	4.25	42	38996	86.985	ug/l	98
30) Chloroform	4.04	83	128643	20.468	ug/l	100
31) Cyclohexane	3.86	56	82183	17.255	ug/l	92
32) 1,1,1-Trichloroethane	4.26	97	108809	22.050	ug/l #	84
36) 1,1-Dichloropropene	4.45	75	87316	20.625	ug/l	99
37) Ethyl Acetate	4.29	43	34322	19.271	ug/l #	61
38) Carbon Tetrachloride	4.17	117	127793	29.694	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	96808	19.589	ug/l	95
40) Benzene	4.81	78	201333	19.684	ug/l	98
41) Methacrylonitrile	4.92	41	17232	17.416	ug/l #	81
42) 1,2-Dichloroethane	5.11	62	73649	22.729	ug/l	98
43) Isopropyl Acetate	7.09	43	38754	21.113	ug/l #	96
44) Trichloroethene	5.66	130	73095	21.122	ug/l	96
45) 1,2-Dichloropropane	6.39	63	43949	19.058	ug/l	92
46) Dibromomethane	6.25	93	37255	22.373	ug/l	95
47) Bromodichloromethane	6.53	83	87733	22.411	ug/l	95
48) Methyl methacrylate	6.86	41	26472	20.288	ug/l	88
49) 1,4-Dioxane	6.87	88	5257	349.880	ug/l #	59
51) 4-Methyl-2-Pentanone	8.39	43	133444	95.094	ug/l	97
52) Toluene	7.76	92	120303	20.383	ug/l	95
53) t-1,3-Dichloropropene	8.40	75	64571	22.432	ug/l	93
54) cis-1,3-Dichloropropene	7.44	75	79485	21.554	ug/l	93
55) 1,1,2-Trichloroethane	8.61	97	36755	21.927	ug/l	94
56) Ethyl methacrylate	8.74	69	36819	19.994	ug/l	95
57) 1,3-Dichloropropane	8.98	76	53025	20.119	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.43	63	54973	98.104	ug/l	98
59) 2-Hexanone	9.61	43	90246	96.651	ug/l	100
60) Dibromochloromethane	8.84	129	59608	21.910	ug/l	97
61) 1,2-Dibromoethane	9.11	107	42902	22.114	ug/l	96
64) Tetrachloroethene	8.29	164	65523	20.303	ug/l	97
65) Chlorobenzene	9.91	112	136755	19.396	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.04	131	70280	21.162	ug/l	99
67) Ethyl Benzene	10.01	91	239223	19.516	ug/l	99
68) m/p-Xylenes	10.24	106	183143	40.131	ug/l	93
69) o-Xylene	10.80	106	100027	19.618	ug/l	99
70) Styrene	10.88	104	144229	19.568	ug/l	98
71) Bromoform	10.87	173	38251	20.462	ug/l #	98
73) Isopropylbenzene	11.20	105	324194	19.819	ug/l	97
74) N-amyl acetate	11.44	43	57803	15.336	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.76	83	48517	18.669	ug/l	99
76) 1,2,3-Trichloropropane	11.85	75	32017	17.364	ug/l #	100
77) Bromobenzene	11.57	156	77441	18.938	ug/l	95
78) n-propylbenzene	11.66	91	316689	18.399	ug/l	100
79) 2-Chlorotoluene	11.79	91	200554	19.345	ug/l	99
80) 1,3,5-Trimethylbenzene	11.88	105	269324	19.503	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.92	75	19714	23.919	ug/l #	78
82) 4-Chlorotoluene	11.96	91	197299	19.233	ug/l	100
83) tert-Butylbenzene	12.18	119	285544	20.149	ug/l	98
84) 1,2,4-Trimethylbenzene	12.26	105	254770	19.049	ug/l	97
85) sec-Butylbenzene	12.36	105	347695	19.698	ug/l	99
86) p-Isopropyltoluene	12.51	119	323282	20.428	ug/l	98
87) 1,3-Dichlorobenzene	12.53	146	150176	20.758	ug/l	98
88) 1,4-Dichlorobenzene	12.61	146	138277	20.159	ug/l	99
89) n-Butylbenzene	12.89	91	285388	19.847	ug/l	97
90) Hexachloroethane	12.96	117	78402	19.764	ug/l	96
91) 1,2-Dichlorobenzene	12.99	146	141060	20.312	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.68	75	9967	19.011	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	128205	21.014	ug/l	99
94) Hexachlorobutadiene	14.22	225	98213	22.384	ug/l	99
95) Naphthalene	14.49	128	170232	18.011	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	124979	21.660	ug/l	97

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

