

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062760.D
 Acq On : 28 May 2019 14:56
 Operator : FY/SY
 Sample : VF0528SBS02
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS02

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:02:17 AM

Quant Time: May 29 02:14:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	860451	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1386224	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1041894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	505177	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.05	65	267676	44.02	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	88.04%	
35) Dibromofluoromethane	4.32	113	508193	47.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.82%	
50) Toluene-d8	7.73	98	1158969	45.76	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	91.52%	
62) 4-Bromofluorobenzene	11.51	95	437743	45.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	191355	16.342	ug/l	99
3) Chloromethane	1.15	50	165318	15.333	ug/l	97
4) Vinyl Chloride	1.20	62	159529	16.074	ug/l	97
5) Bromomethane	1.41	94	85308	15.712	ug/l	95
6) Chloroethane	1.47	64	56818	15.588	ug/l #	84
7) Trichlorofluoromethane	1.57	101	234919	17.629	ug/l	100
8) Diethyl Ether	1.72	74	47557	18.014	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.94	101	152222	17.939	ug/l	96
10) Methyl Iodide	2.01	142	288590m	17.313	ug/l	
11) Tert butyl alcohol	2.72	59	37686	93.879	ug/l #	77
12) 1,1-Dichloroethene	1.89	96	141612	18.321	ug/l	97
13) Acrolein	2.12	56	23771	56.728	ug/l	99
14) Allyl chloride	2.20	41	113613	16.240	ug/l	93
15) Acrylonitrile	3.10	53	150597	132.993	ug/l	93
16) Acetone	2.36	43	120626	76.469	ug/l #	88
17) Carbon Disulfide	1.93	76	378380m	16.516	ug/l	
18) Methyl Acetate	2.47	43	46846	18.898	ug/l	95
19) Methyl tert-butyl Ether	2.56	73	284807	20.611	ug/l	95
20) Methylene Chloride	2.36	84	153880m	19.462	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	145637	19.277	ug/l	90
22) Diisopropyl ether	2.95	45	338825	19.637	ug/l	99
23) Vinyl Acetate	3.36	43	1151198	98.906	ug/l	99
24) 1,1-Dichloroethane	3.02	63	260507	20.581	ug/l	98
25) 2-Butanone	4.55	43	337538	100.154	ug/l	95
26) 2,2-Dichloropropane	3.79	77	150868	20.832	ug/l	92
27) cis-1,2-Dichloroethene	3.66	96	264602	21.292	ug/l	96
28) Bromochloromethane	3.93	49	136571	19.238	ug/l	97
29) Tetrahydrofuran	4.29	42	132393	97.076	ug/l	98
30) Chloroform	4.07	83	375919	21.391	ug/l	96
31) Cyclohexane	3.90	56	323374m	19.027	ug/l	
32) 1,1,1-Trichloroethane	4.31	97	236664	20.277	ug/l	98
36) 1,1-Dichloropropene	4.49	75	294644	20.743	ug/l	94
37) Ethyl Acetate	4.32	43	112503	19.398	ug/l	84
38) Carbon Tetrachloride	4.21	117	195712	18.320	ug/l	97

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39) Methylcyclohexane	5.65	83	356571	20.862	ug/l	93
40) Benzene	4.84	78	899772	23.252	ug/l	100
41) Methacrylonitrile	4.96	41	57360	18.864	ug/l	95
42) 1,2-Dichloroethane	5.15	62	158084	20.486	ug/l	93
43) Isopropyl Acetate	7.13	43	143429	19.089	ug/l	91
44) Trichloroethene	5.70	130	246421	22.657	ug/l	98
45) 1,2-Dichloropropane	6.42	63	221162	22.640	ug/l	97
46) Dibromomethane	6.29	93	120931	21.421	ug/l	96
47) Bromodichloromethane	6.57	83	261793	22.337	ug/l	98
48) Methyl methacrylate	6.90	41	72927	18.569	ug/l	96
49) 1,4-Dioxane	6.91	88	18887	375.481	ug/l #	85
51) 4-Methyl-2-Pentanone	8.42	43	542504	105.629	ug/l	100
52) Toluene	7.80	92	445525	21.953	ug/l	91
53) t-1,3-Dichloropropene	8.44	75	202932	21.164	ug/l	94
54) cis-1,3-Dichloropropene	7.48	75	313944	23.390	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	138013	22.968	ug/l	96
56) Ethyl methacrylate	8.77	69	138774	19.385	ug/l	94
57) 1,3-Dichloropropane	9.02	76	218761	21.374	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.47	63	247614	106.262	ug/l	96
59) 2-Hexanone	9.64	43	380654	103.469	ug/l	99
60) Dibromochloromethane	8.88	129	168589	21.527	ug/l	92
61) 1,2-Dibromoethane	9.15	107	138585	21.714	ug/l	93
64) Tetrachloroethene	8.33	164	181211	21.954	ug/l	98
65) Chlorobenzene	9.95	112	458848	22.422	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	195102	23.749	ug/l	97
67) Ethyl Benzene	10.05	91	821491	23.108	ug/l	99
68) m/p-Xylenes	10.28	106	611353	45.756	ug/l	86
69) o-Xylene	10.83	106	309977	22.524	ug/l	94
70) Styrene	10.91	104	455182	21.761	ug/l	97
71) Bromoform	10.89	173	87420	21.247	ug/l #	98
73) Isopropylbenzene	11.22	105	842133	23.259	ug/l	95
74) N-amyl acetate	11.46	43	236081	22.678	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	159674	21.579	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	100525	20.676	ug/l	96
77) Bromobenzene	11.59	156	191776	21.309	ug/l	93
78) n-propylbenzene	11.69	91	980523	22.883	ug/l	94
79) 2-Chlorotoluene	11.81	91	533739	22.102	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	658748	22.690	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	47446m	21.954	ug/l	
82) 4-Chlorotoluene	11.98	91	533680	22.411	ug/l	97
83) tert-Butylbenzene	12.21	119	670845	22.775	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	643019	22.884	ug/l	93
85) sec-Butylbenzene	12.38	105	892691	22.583	ug/l	95
86) p-Isopropyltoluene	12.53	119	756687	22.714	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	351956	21.615	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	334792	21.910	ug/l	98
89) n-Butylbenzene	12.91	91	767597	23.370	ug/l	94
90) Hexachloroethane	12.99	117	183042	22.905	ug/l	70
91) 1,2-Dichlorobenzene	13.01	146	318624	21.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	18703	21.188	ug/l	87

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93) 1,2,4-Trichlorobenzene	14.25	180	202395	19.481	µg/l	98
94) Hexachlorobutadiene	14.24	225	144130	19.879	µg/l	96
95) Naphthalene	14.51	128	347201	18.395	µg/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	186326	18.934	µg/l	99

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

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