

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061019\
 Data File : VF062908.D
 Acq On : 10 Jun 2019 16:05
 Operator : FY/SY
 Sample : VF0610SBSD01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0610SBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/11/2019 2:54:43 PM

Quant Time: Jun 11 01:49:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F053019S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 31 04:18:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	783970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1331842	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	1004430	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	460013	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	257603	47.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.04%	
35) Dibromofluoromethane	4.32	113	499917	49.67	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	99.34%	
50) Toluene-d8	7.72	98	1214687	47.73	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	95.46%	
62) 4-Bromofluorobenzene	11.49	95	416499	45.50	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	91.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.02	85	188584	18.551	ug/l	90
3) Chloromethane	1.14	50	148594m	18.318	ug/l	
4) Vinyl Chloride	1.20	62	152468	18.914	ug/l	92
5) Bromomethane	1.40	94	83326	18.126	ug/l	97
6) Chloroethane	1.44	64	53464	17.739	ug/l	90
7) Trichlorofluoromethane	1.57	101	229768	20.134	ug/l	94
8) Diethyl Ether	1.72	74	44853	19.978	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.91	101	142079	19.803	ug/l	96
10) Methyl Iodide	1.98	142	260176	18.086	ug/l #	93
11) Tert butyl alcohol	2.71	59	33408	101.726	ug/l	95
12) 1,1-Dichloroethene	1.87	96	124522	19.114	ug/l	92
13) Acrolein	2.10	56	13249	95.943	ug/l #	75
14) Allyl chloride	2.21	41	111919m	22.144	ug/l	
15) Acrylonitrile	3.10	53	98691	79.974	ug/l	96
16) Acetone	2.36	43	116319	93.746	ug/l	96
17) Carbon Disulfide	1.91	76	347886	18.270	ug/l	98
18) Methyl Acetate	2.47	43	43126	19.890	ug/l	96
19) Methyl tert-butyl Ether	2.56	73	239574	20.298	ug/l #	90
20) Methylene Chloride	2.34	84	132691m	19.536	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	131918	20.195	ug/l	95
22) Diisopropyl ether	2.95	45	270747	18.855	ug/l	93
23) Vinyl Acetate	3.36	43	990947	100.803	ug/l	98
24) 1,1-Dichloroethane	3.03	63	216129	20.159	ug/l	98
25) 2-Butanone	4.53	43	286007	98.981	ug/l	97
26) 2,2-Dichloropropane	3.79	77	141581	23.257	ug/l	99
27) cis-1,2-Dichloroethene	3.66	96	216887	19.753	ug/l	96
28) Bromochloromethane	3.91	49	134448	23.054	ug/l	90
29) Tetrahydrofuran	4.28	42	121999	110.390	ug/l	99
30) Chloroform	4.06	83	309204	20.463	ug/l	98
31) Cyclohexane	3.89	56	280882	19.351	ug/l	94
32) 1,1,1-Trichloroethane	4.30	97	201118	22.860	ug/l	95
36) 1,1-Dichloropropene	4.48	75	230809	18.825	ug/l	96
37) Ethyl Acetate	4.32	43	101925	21.747	ug/l #	91
38) Carbon Tetrachloride	4.20	117	184515	22.267	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	299667	19.638	ug/l	97
40) Benzene	4.83	78	705389	19.768	ug/l	94
41) Methacrylonitrile	4.94	41	52241	20.050	ug/l	90
42) 1,2-Dichloroethane	5.14	62	139750	20.592	ug/l	91
43) Isopropyl Acetate	7.13	43	121833	19.678	ug/l	94
44) Trichloroethene	5.70	130	194690	19.332	ug/l	100
45) 1,2-Dichloropropane	6.42	63	183224	20.461	ug/l	98
46) Dibromomethane	6.27	93	110838	21.200	ug/l	92
47) Bromodichloromethane	6.56	83	210415	19.762	ug/l	94
48) Methyl methacrylate	6.89	41	64969	20.361	ug/l	96
49) 1,4-Dioxane	6.88	88	18461	438.933	ug/l #	84
51) 4-Methyl-2-Pentanone	8.41	43	464232	105.023	ug/l	94
52) Toluene	7.79	92	376579	19.594	ug/l	87
53) t-1,3-Dichloropropene	8.43	75	170501	19.325	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	247894	19.410	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	113497	19.767	ug/l	97
56) Ethyl methacrylate	8.76	69	130776	21.227	ug/l	96
57) 1,3-Dichloropropane	9.00	76	195183	20.816	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.45	63	262182	121.768	ug/l	96
59) 2-Hexanone	9.63	43	350974	111.397	ug/l	99
60) Dibromochloromethane	8.87	129	141241	19.869	ug/l	97
61) 1,2-Dibromoethane	9.14	107	116469	19.531	ug/l	100
64) Tetrachloroethene	8.31	164	151651	19.648	ug/l	90
65) Chlorobenzene	9.94	112	387918	19.999	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.06	131	149708	19.380	ug/l	98
67) Ethyl Benzene	10.03	91	672782	20.212	ug/l	95
68) m/p-Xylenes	10.26	106	475712	37.348	ug/l	82
69) o-Xylene	10.82	106	244746	18.978	ug/l	97
70) Styrene	10.89	104	370598	19.497	ug/l	97
71) Bromoform	10.88	173	74613	20.134	ug/l #	99
73) Isopropylbenzene	11.22	105	676777	21.085	ug/l	93
74) N-amyl acetate	11.45	43	206909	22.872	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	141618	20.660	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	89213	19.635	ug/l	85
77) Bromobenzene	11.58	156	155866	19.327	ug/l	82
78) n-propylbenzene	11.67	91	807859	20.845	ug/l	91
79) 2-Chlorotoluene	11.80	91	428122	19.306	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	533289	20.316	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	45017m	23.402	ug/l	
82) 4-Chlorotoluene	11.98	91	444870	20.413	ug/l	97
83) tert-Butylbenzene	12.20	119	548625	21.093	ug/l	91
84) 1,2,4-Trimethylbenzene	12.27	105	518166	20.820	ug/l	94
85) sec-Butylbenzene	12.37	105	725999	21.183	ug/l	99
86) p-Isopropyltoluene	12.52	119	602252	21.111	ug/l	93
87) 1,3-Dichlorobenzene	12.54	146	288902	20.312	ug/l	96
88) 1,4-Dichlorobenzene	12.63	146	270439	20.374	ug/l	99
89) n-Butylbenzene	12.90	91	621743	21.666	ug/l	91
90) Hexachloroethane	12.98	117	137263	19.728	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	225925	18.072	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	16113	21.577	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	179583	20.921	ug/l	93
94) Hexachlorobutadiene	14.23	225	119715	20.160	ug/l	98
95) Naphthalene	14.50	128	287593	20.451	ug/l	97
96) 1,2,3-Trichlorobenzene	14.64	180	152709	19.490	ug/l	99

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

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