

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF060319\
 Data File : VF062824.D
 Acq On : 3 Jun 2019 13:04
 Operator : FY/SY
 Sample : VF0603SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0603SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/4/2019 12:15:48 PM

Quant Time: Jun 04 09:12:44 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	850931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1359644	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	1063801	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	537164	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	311648	52.96	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.92%	
35) Dibromofluoromethane	4.32	113	574013	55.87	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.74%	
50) Toluene-d8	7.72	98	1422355	54.75	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.50%	
62) 4-Bromofluorobenzene	11.49	95	534146	57.15	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	114.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	240527	22.624	ug/l	100
3) Chloromethane	1.14	50	189608	21.535	ug/l	100
4) Vinyl Chloride	1.19	62	183830	21.010	ug/l	100
5) Bromomethane	1.40	94	104615	20.966	ug/l	95
6) Chloroethane	1.45	64	59772	18.271	ug/l	93
7) Trichlorofluoromethane	1.56	101	265220	21.412	ug/l	98
8) Diethyl Ether	1.72	74	44384	18.213	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	1.92	101	164352	21.105	ug/l	96
10) Methyl Iodide	1.99	142	320622	20.534	ug/l	95
11) Tert butyl alcohol	2.70	59	39041	109.524	ug/l	98
12) 1,1-Dichloroethene	1.88	96	141280	19.979	ug/l	94
13) Acrolein	2.11	56	11907	77.985	ug/l #	72
14) Allyl chloride	2.21	41	123781	22.564	ug/l	98
15) Acrylonitrile	3.10	53	101422	75.720	ug/l #	91
16) Acetone	2.36	43	120746	89.656	ug/l	95
17) Carbon Disulfide	1.92	76	438870	21.235	ug/l	99
18) Methyl Acetate	2.46	43	44348	18.844	ug/l #	89
19) Methyl tert-butyl Ether	2.55	73	272268	21.252	ug/l	93
20) Methylene Chloride	2.35	84	138522m	18.668	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	138842	19.583	ug/l	95
22) Diisopropyl ether	2.95	45	303612	19.480	ug/l #	92
23) Vinyl Acetate	3.35	43	1100617	103.149	ug/l	99
24) 1,1-Dichloroethane	3.02	63	235681	20.253	ug/l	99
25) 2-Butanone	4.53	43	296226	94.450	ug/l	98
26) 2,2-Dichloropropane	3.79	77	149203	22.581	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	258281	21.672	ug/l	93
28) Bromochloromethane	3.90	49	125893	19.888	ug/l	98
29) Tetrahydrofuran	4.28	42	128754	107.335	ug/l	98
30) Chloroform	4.06	83	352165	21.472	ug/l	99
31) Cyclohexane	3.88	56	320197m	20.324	ug/l	
32) 1,1,1-Trichloroethane	4.30	97	229392	24.022	ug/l	95
36) 1,1-Dichloropropene	4.48	75	279725	22.348	ug/l	93
37) Ethyl Acetate	4.31	43	111754	23.356	ug/l #	82
38) Carbon Tetrachloride	4.19	117	197874	23.391	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	353266	22.677	ug/l	96
40) Benzene	4.83	78	804603	22.087	ug/l	99
41) Methacrylonitrile	4.94	41	58913	22.148	ug/l	95
42) 1,2-Dichloroethane	5.14	62	149184	21.532	ug/l	92
43) Isopropyl Acetate	7.13	43	144938	22.931	ug/l	97
44) Trichloroethene	5.70	130	238377	23.186	ug/l	98
45) 1,2-Dichloropropane	6.42	63	202248	22.124	ug/l	94
46) Dibromomethane	6.27	93	117874	22.085	ug/l	99
47) Bromodichloromethane	6.57	83	239512	22.035	ug/l	99
48) Methyl methacrylate	6.89	41	71224	21.865	ug/l	96
49) 1,4-Dioxane	6.89	88	20422	475.630	ug/l #	85
51) 4-Methyl-2-Pentanone	8.41	43	514775	114.076	ug/l	97
52) Toluene	7.79	92	432939	22.065	ug/l	95
53) t-1,3-Dichloropropene	8.43	75	200187	22.225	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	274740	21.072	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	128510	21.924	ug/l	97
56) Ethyl methacrylate	8.76	69	136716	21.738	ug/l #	94
57) 1,3-Dichloropropane	9.00	76	207417	21.669	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.45	63	230322	104.784	ug/l	99
59) 2-Hexanone	9.63	43	370758	115.271	ug/l	98
60) Dibromochloromethane	8.87	129	163075	22.471	ug/l	98
61) 1,2-Dibromoethane	9.14	107	141034	23.167	ug/l	94
64) Tetrachloroethene	8.31	164	175092	21.419	ug/l	95
65) Chlorobenzene	9.94	112	445711	21.696	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.06	131	178079	21.766	ug/l	98
67) Ethyl Benzene	10.04	91	782160	22.187	ug/l	97
68) m/p-Xylenes	10.26	106	577606	42.816	ug/l	86
69) o-Xylene	10.82	106	304000	22.257	ug/l	90
70) Styrene	10.89	104	445237	22.116	ug/l	99
71) Bromoform	10.88	173	85887	21.883	ug/l #	94
73) Isopropylbenzene	11.22	105	848955	22.650	ug/l	95
74) N-amyl acetate	11.45	43	265684	25.150	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	181081	22.623	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	116490	21.956	ug/l	88
77) Bromobenzene	11.58	156	202791	21.533	ug/l	86
78) n-propylbenzene	11.67	91	1013080	22.386	ug/l	90
79) 2-Chlorotoluene	11.80	91	574874	22.200	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	668908	21.823	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	44273m	19.710	ug/l	
82) 4-Chlorotoluene	11.98	91	574664	22.582	ug/l	99
83) tert-Butylbenzene	12.19	119	692182	22.790	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	645240	22.202	ug/l	95
85) sec-Butylbenzene	12.37	105	904741	22.607	ug/l	98
86) p-Isopropyltoluene	12.52	119	724456	21.748	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	349177	21.024	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	337898	21.800	ug/l	93
89) n-Butylbenzene	12.90	91	758322	22.630	ug/l	90
90) Hexachloroethane	12.97	117	181038	22.283	ug/l	81
91) 1,2-Dichlorobenzene	13.00	146	316575	21.686	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	21122	24.222	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	210309	20.982	ug/l	97
94) Hexachlorobutadiene	14.23	225	144912	20.898	ug/l	99
95) Naphthalene	14.49	128	352761	21.482	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	187514	20.494	ug/l	99

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

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