

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031519\
 Data File : VF061957.D
 Acq On : 15 Mar 2019 13:19
 Operator : VA/AP
 Sample : VF0315SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0315SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/17/2019 5:23:13 AM

Quant Time: Mar 15 23:38:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	285902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	421293	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	365685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	199772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	106670	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
35) Dibromofluoromethane	4.13	113	155150	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
50) Toluene-d8	7.56	98	448450	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	11.42	95	171537	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	76305	21.739	ug/l	91
3) Chloromethane	1.10	50	76757	22.564	ug/l	94
4) Vinyl Chloride	1.14	62	74668	23.122	ug/l	97
5) Bromomethane	1.35	94	50945	23.149	ug/l	91
6) Chloroethane	1.40	64	34699	22.605	ug/l	96
7) Trichlorofluoromethane	1.49	101	90884	23.044	ug/l	99
8) Diethyl Ether	1.63	74	19464	21.702	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.84	101	64091	23.930	ug/l	95
10) Methyl Iodide	1.91	142	112738m	22.120	ug/l	
11) Tert butyl alcohol	2.58	59	11524	97.515	ug/l	98
12) 1,1-Dichloroethene	1.80	96	54917	22.459	ug/l	86
13) Acrolein	2.01	56	13397	89.467	ug/l	98
14) Allyl chloride	2.11	41	76940	28.562	ug/l	94
15) Acrylonitrile	2.95	53	42492	112.919	ug/l	95
16) Acetone	2.24	43	50970	116.868	ug/l	93
17) Carbon Disulfide	1.83	76	165100	21.692	ug/l	97
18) Methyl Acetate	2.35	43	20828	23.731	ug/l	95
19) Methyl tert-butyl Ether	2.44	73	96582	23.350	ug/l	99
20) Methylene Chloride	2.19	84	59394m	21.517	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	59104	25.683	ug/l	88
22) Diisopropyl ether	2.82	45	161915	23.107	ug/l	97
23) Vinyl Acetate	3.20	43	367043	117.254	ug/l	100
24) 1,1-Dichloroethane	2.89	63	106948	25.535	ug/l	99
25) 2-Butanone	4.35	43	102994	116.097	ug/l	98
26) 2,2-Dichloropropane	3.62	77	44270	23.678	ug/l	90
27) cis-1,2-Dichloroethene	3.49	96	74557	23.385	ug/l	97
28) Bromochloromethane	3.73	49	41856	22.926	ug/l #	100
29) Tetrahydrofuran	4.09	42	42417	110.867	ug/l	100
30) Chloroform	3.87	83	105204	21.991	ug/l	97
31) Cyclohexane	3.69	56	98537	22.462	ug/l	97
32) 1,1,1-Trichloroethane	4.11	97	69853	23.689	ug/l #	93
36) 1,1-Dichloropropene	4.30	75	91360	22.957	ug/l	96
37) Ethyl Acetate	4.12	43	36169	21.653	ug/l #	87
38) Carbon Tetrachloride	4.00	117	69372	24.625	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	109926	23.386	ug/l	97
40) Benzene	4.65	78	238849	22.961	ug/l	97
41) Methacrylonitrile	4.77	41	21499	23.492	ug/l #	86
42) 1,2-Dichloroethane	4.96	62	57374	22.132	ug/l	99
43) Isopropyl Acetate	6.97	43	45596	22.145	ug/l #	99
44) Trichloroethene	5.52	130	73076	22.605	ug/l	97
45) 1,2-Dichloropropane	6.25	63	56843	22.980	ug/l	97
46) Dibromomethane	6.10	93	34409	22.103	ug/l	88
47) Bromodichloromethane	6.40	83	74968	21.798	ug/l	100
48) Methyl methacrylate	6.73	41	29979	23.006	ug/l	99
49) 1,4-Dioxane	6.72	88	4518	379.276	ug/l #	28
51) 4-Methyl-2-Pentanone	8.27	43	161912	113.778	ug/l	98
52) Toluene	7.64	92	144935	23.553	ug/l	100
53) t-1,3-Dichloropropene	8.29	75	64713	22.795	ug/l	95
54) cis-1,3-Dichloropropene	7.31	75	85989	21.959	ug/l	98
55) 1,1,2-Trichloroethane	8.51	97	41005	23.127	ug/l	95
56) Ethyl methacrylate	8.63	69	43113	21.576	ug/l	93
57) 1,3-Dichloropropane	8.86	76	65482	22.583	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.30	63	38503	121.808	ug/l	99
59) 2-Hexanone	9.50	43	117860	114.805	ug/l	100
60) Dibromochloromethane	8.72	129	56264	22.265	ug/l	94
61) 1,2-Dibromoethane	9.00	107	42712	21.906	ug/l	99
64) Tetrachloroethene	8.16	164	63997	22.776	ug/l	92
65) Chlorobenzene	9.81	112	154894	22.047	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	59195	21.747	ug/l	96
67) Ethyl Benzene	9.91	91	263416	22.621	ug/l	95
68) m/p-Xylenes	10.14	106	204987	45.952	ug/l	98
69) o-Xylene	10.72	106	108781	22.646	ug/l	98
70) Styrene	10.79	104	151446	22.403	ug/l	96
71) Bromoform	10.78	173	30568	21.248	ug/l #	90
73) Isopropylbenzene	11.13	105	308151	22.406	ug/l	96
74) N-amyl acetate	11.38	43	71745	22.660	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.70	83	49873	21.818	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	36778	23.574	ug/l	96
77) Bromobenzene	11.50	156	71999	21.752	ug/l	90
78) n-propylbenzene	11.60	91	364698	23.481	ug/l	97
79) 2-Chlorotoluene	11.73	91	202988	22.860	ug/l	97
80) 1,3,5-Trimethylbenzene	11.83	105	252369	22.855	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.88	75	16213m	22.727	ug/l	
82) 4-Chlorotoluene	11.91	91	201605	22.197	ug/l	97
83) tert-Butylbenzene	12.13	119	277136	23.636	ug/l	91
84) 1,2,4-Trimethylbenzene	12.21	105	250757	23.165	ug/l	100
85) sec-Butylbenzene	12.31	105	352971	23.133	ug/l	99
86) p-Isopropyltoluene	12.47	119	295247	22.764	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	146794	23.356	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	136856	22.574	ug/l	95
89) n-Butylbenzene	12.85	91	298890	24.114	ug/l	95
90) Hexachloroethane	12.92	117	68235	21.857	ug/l	83
91) 1,2-Dichlorobenzene	12.94	146	131580	22.097	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.64	75	7007	20.090	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	92383	22.130	ug/l	97
94) Hexachlorobutadiene	14.20	225	60247	20.847	ug/l	97
95) Naphthalene	14.46	128	158232	21.281	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	80474	20.878	ug/l	95

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

