

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030519\
 Data File : VF061846.D
 Acq On : 5 Mar 2019 15:40
 Operator : VA/AP
 Sample : VF0305SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0305SBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/8/2019 12:12:14 AM

Quant Time: Mar 06 06:02:28 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	4.87	168	303131	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	458285	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	388247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	211714	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	121464	55.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.04%	
35) Dibromofluoromethane	4.11	113	175524	54.88	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	109.76%	
50) Toluene-d8	7.56	98	499930	52.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	11.41	95	199139	53.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.96%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	85643	23.013	ug/l	90
3) Chloromethane	1.10	50	78528	21.773	ug/l	92
4) Vinyl Chloride	1.15	62	79823	23.314	ug/l	96
5) Bromomethane	1.35	94	49689	21.295	ug/l	87
6) Chloroethane	1.40	64	36869	22.654	ug/l	96
7) Trichlorofluoromethane	1.49	101	96660	23.115	ug/l	96
8) Diethyl Ether	1.63	74	20193	21.235	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.84	101	67342	23.714	ug/l	92
10) Methyl Iodide	1.92	142	119577m	22.128	ug/l	
11) Tert butyl alcohol	2.58	59	13167	105.086	ug/l	95
12) 1,1-Dichloroethene	1.80	96	57556	22.201	ug/l	96
13) Acrolein	2.01	56	16575	104.399	ug/l #	77
14) Allyl chloride	2.10	41	67168	23.518	ug/l	94
15) Acrylonitrile	2.94	53	44349	111.156	ug/l	98
16) Acetone	2.24	43	53453	115.595	ug/l	98
17) Carbon Disulfide	1.82	76	183941m	22.793	ug/l	
18) Methyl Acetate	2.35	43	24070	26.437	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	96431	21.988	ug/l	100
20) Methylene Chloride	2.19	84	61320m	20.797	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	62438	25.590	ug/l	88
22) Diisopropyl ether	2.81	45	160183	21.561	ug/l	95
23) Vinyl Acetate	3.19	43	384546	115.863	ug/l	99
24) 1,1-Dichloroethane	2.88	63	97185	21.885	ug/l	98
25) 2-Butanone	4.34	43	105195	111.839	ug/l	93
26) 2,2-Dichloropropane	3.61	77	47293	23.857	ug/l	89
27) cis-1,2-Dichloroethene	3.48	96	77690	22.982	ug/l	99
28) Bromochloromethane	3.72	49	41155	21.261	ug/l #	92
29) Tetrahydrofuran	4.08	42	44583	109.905	ug/l	97
30) Chloroform	3.86	83	113649	22.406	ug/l	94
31) Cyclohexane	3.69	56	103281m	22.206	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	70963	22.698	ug/l	95
36) 1,1-Dichloropropene	4.28	75	96294	22.244	ug/l	98
37) Ethyl Acetate	4.12	43	43161	23.754	ug/l #	93
38) Carbon Tetrachloride	3.99	117	70476	22.998	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	112458	21.994	ug/l	94
40) Benzene	4.63	78	248824	21.990	ug/l	98
41) Methacrylonitrile	4.75	41	18093	18.174	ug/l #	90
42) 1,2-Dichloroethane	4.95	62	60599	21.489	ug/l	96
43) Isopropyl Acetate	6.97	43	44111	19.694	ug/l	96
44) Trichloroethene	5.51	130	79760	22.682	ug/l	99
45) 1,2-Dichloropropane	6.24	63	59438	22.090	ug/l	98
46) Dibromomethane	6.09	93	35940	21.223	ug/l	95
47) Bromodichloromethane	6.39	83	78296	20.928	ug/l	93
48) Methyl methacrylate	6.72	41	30640	21.615	ug/l	89
49) 1,4-Dioxane	6.71	88	4995	385.472	ug/l	88
51) 4-Methyl-2-Pentanone	8.26	43	155620	100.529	ug/l	98
52) Toluene	7.63	92	147770	22.075	ug/l	97
53) t-1,3-Dichloropropene	8.28	75	61138	19.797	ug/l	92
54) cis-1,3-Dichloropropene	7.30	75	90847	21.327	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	40885	21.198	ug/l	95
56) Ethyl methacrylate	8.62	69	44491	20.468	ug/l	98
57) 1,3-Dichloropropane	8.85	76	72273	22.913	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.29	63	35034	101.887	ug/l	90
59) 2-Hexanone	9.49	43	117774	105.461	ug/l	99
60) Dibromochloromethane	8.71	129	60834	22.130	ug/l	89
61) 1,2-Dibromoethane	8.99	107	45026	21.229	ug/l	97
64) Tetrachloroethene	8.15	164	70717	23.705	ug/l	98
65) Chlorobenzene	9.80	112	165926	22.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	67211	23.257	ug/l	98
67) Ethyl Benzene	9.91	91	286343	23.161	ug/l	97
68) m/p-Xylenes	10.13	106	213804	45.143	ug/l	98
69) o-Xylene	10.71	106	112231	22.006	ug/l	96
70) Styrene	10.79	104	151135	21.057	ug/l #	91
71) Bromoform	10.77	173	31418	20.570	ug/l	98
73) Isopropylbenzene	11.13	105	329062	22.577	ug/l	99
74) N-amyl acetate	11.38	43	75015	22.356	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.69	83	54054	22.314	ug/l	93
76) 1,2,3-Trichloropropane	11.80	75	35777	21.639	ug/l	89
77) Bromobenzene	11.49	156	81371	23.197	ug/l	91
78) n-propylbenzene	11.59	91	388855	23.624	ug/l	98
79) 2-Chlorotoluene	11.72	91	211234	22.447	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	267346	22.846	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.87	75	15885m	21.011	ug/l	
82) 4-Chlorotoluene	11.90	91	217258	22.571	ug/l	99
83) tert-Butylbenzene	12.13	119	295938	23.816	ug/l	96
84) 1,2,4-Trimethylbenzene	12.20	105	274221	23.904	ug/l	97
85) sec-Butylbenzene	12.30	105	376604	23.290	ug/l	99
86) p-Isopropyltoluene	12.46	119	427551	31.106	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	168542	25.304	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	142717	22.212	ug/l	99
89) n-Butylbenzene	12.84	91	317347	24.159	ug/l	97
90) Hexachloroethane	12.91	117	73953	22.353	ug/l	91
91) 1,2-Dichlorobenzene	12.94	146	145637	23.078	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	9465	24.572	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	105181	23.774	ug/l	93
94) Hexachlorobutadiene	14.19	225	71020	23.188	ug/l	99
95) Naphthalene	14.45	128	162293	20.596	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	92058	22.536	ug/l	95

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

