

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF022119\
 Data File : VF061695.D
 Acq On : 21 Feb 2019 13:46
 Operator : VA/AP
 Sample : VF0221SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0221SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 12:27:44 PM

Quant Time: Feb 22 03:38:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 03:27:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	348226	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	507278	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	435148	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.55	152	251626	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	124243	48.65	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.30%	
35) Dibromofluoromethane	4.11	113	185484	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	7.55	98	532552	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
62) 4-Bromofluorobenzene	11.41	95	218146	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	90908	22.733	ug/l	95
3) Chloromethane	1.10	50	85822	20.454	ug/l	99
4) Vinyl Chloride	1.14	62	81310	20.846	ug/l	98
5) Bromomethane	1.32	94	52565	19.581	ug/l	95
6) Chloroethane	1.39	64	37676	19.600	ug/l	93
7) Trichlorofluoromethane	1.49	101	92525m	19.667	ug/l	
8) Diethyl Ether	1.63	74	21632	18.246	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.83	101	64536	19.015	ug/l	99
10) Methyl Iodide	1.90	142	121078m	18.676	ug/l	
11) Tert butyl alcohol	2.58	59	15067	101.952	ug/l	99
12) 1,1-Dichloroethene	1.80	96	57945	19.419	ug/l	97
13) Acrolein	2.00	56	17597	94.740	ug/l	98
14) Allyl chloride	2.10	41	82716	22.590	ug/l	93
15) Acrylonitrile	2.95	53	43049	82.123	ug/l	93
16) Acetone	2.24	43	57063	104.151	ug/l	94
17) Carbon Disulfide	1.84	76	180262m	19.219	ug/l	
18) Methyl Acetate	2.35	43	40001	32.409	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	102277	20.055	ug/l	97
20) Methylene Chloride	2.18	84	72222m	23.252	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	60807	18.746	ug/l	91
22) Diisopropyl ether	2.80	45	174064	19.804	ug/l	96
23) Vinyl Acetate	3.20	43	393833	91.738	ug/l	99
24) 1,1-Dichloroethane	2.87	63	106221	19.970	ug/l	99
25) 2-Butanone	4.34	43	112939	94.371	ug/l	96
26) 2,2-Dichloropropane	3.60	77	48361	21.465	ug/l	93
27) cis-1,2-Dichloroethene	3.48	96	80342	18.870	ug/l	99
28) Bromochloromethane	3.72	49	54268	21.264	ug/l	96
29) Tetrahydrofuran	4.08	42	50660	93.136	ug/l	95
30) Chloroform	3.87	83	120496	19.920	ug/l	97
31) Cyclohexane	3.70	56	117423	20.392	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	72518	18.301	ug/l	94
36) 1,1-Dichloropropene	4.28	75	94502	18.806	ug/l	94
37) Ethyl Acetate	4.11	43	42080	18.028	ug/l #	83
38) Carbon Tetrachloride	3.99	117	72674m	20.944	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	114375	19.245	ug/l	99
40) Benzene	4.64	78	264618	20.132	ug/l	99
41) Methacrylonitrile	4.74	41	22541	18.884	ug/l	97
42) 1,2-Dichloroethane	4.94	62	61649	19.607	ug/l	99
43) Isopropyl Acetate	6.96	43	49136	17.785	ug/l #	97
44) Trichloroethene	5.50	130	78973	18.579	ug/l	99
45) 1,2-Dichloropropane	6.24	63	59791	18.819	ug/l	100
46) Dibromomethane	6.09	93	38313	19.585	ug/l	89
47) Bromodichloromethane	6.39	83	82276	19.206	ug/l	99
48) Methyl methacrylate	6.72	41	29833	17.943	ug/l	91
49) 1,4-Dioxane	6.71	88	5470	349.976	ug/l	96
51) 4-Methyl-2-Pentanone	8.26	43	176508	89.411	ug/l	97
52) Toluene	7.62	92	149188	18.715	ug/l	97
53) t-1,3-Dichloropropene	8.27	75	71405	20.028	ug/l	96
54) cis-1,3-Dichloropropene	7.31	75	93849	19.762	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	44117	18.836	ug/l	95
56) Ethyl methacrylate	8.62	69	49612	19.025	ug/l	96
57) 1,3-Dichloropropane	8.86	76	71933	18.400	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.30	63	42885	95.317	ug/l	96
59) 2-Hexanone	9.50	43	133640	96.574	ug/l	98
60) Dibromochloromethane	8.72	129	59842	18.356	ug/l	94
61) 1,2-Dibromoethane	8.98	107	47445	18.676	ug/l	95
64) Tetrachloroethene	8.16	164	69951	19.667	ug/l	99
65) Chlorobenzene	9.80	112	175266	19.849	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	65969	19.066	ug/l	98
67) Ethyl Benzene	9.90	91	285803	19.463	ug/l	98
68) m/p-Xylenes	10.13	106	221720	39.452	ug/l	94
69) o-Xylene	10.71	106	121868	20.322	ug/l	91
70) Styrene	10.79	104	168387	19.849	ug/l	100
71) Bromoform	10.77	173	34565	18.396	ug/l	92
73) Isopropylbenzene	11.12	105	343476	19.172	ug/l	97
74) N-amyl acetate	11.37	43	76153	17.710	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.70	83	56478	17.597	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	39363	18.039	ug/l	95
77) Bromobenzene	11.50	156	85727	19.369	ug/l	94
78) n-propylbenzene	11.60	91	415151	20.194	ug/l	96
79) 2-Chlorotoluene	11.72	91	219645	19.077	ug/l	90
80) 1,3,5-Trimethylbenzene	11.82	105	285615	19.947	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	16996m	16.246	ug/l	
82) 4-Chlorotoluene	11.90	91	227378	19.027	ug/l	97
83) tert-Butylbenzene	12.13	119	306988	19.357	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	274983	19.331	ug/l	99
85) sec-Butylbenzene	12.31	105	397311	19.373	ug/l	97
86) p-Isopropyltoluene	12.47	119	354457	20.594	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	167364	19.397	ug/l	96
88) 1,4-Dichlorobenzene	12.56	146	158083	19.051	ug/l	99
89) n-Butylbenzene	12.85	91	338716	20.841	ug/l	95
90) Hexachloroethane	12.92	117	78217	19.540	ug/l	98
91) 1,2-Dichlorobenzene	12.94	146	156274	19.042	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	9542	18.751	ug/l	59

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	113084	19.224	ug/l	97
94) Hexachlorobutadiene	14.19	225	70615	19.437	ug/l	97
95) Naphthalene	14.46	128	179484	17.439	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	98186	18.185	ug/l	100

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

