

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031619\
 Data File : VF061981.D
 Acq On : 16 Mar 2019 17:59
 Operator : VA/AP
 Sample : VF0316SBS01
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0316SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 6:19:30 PM

Quant Time: Mar 22 03:36:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	266986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	397021	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	342307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	185273	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	99082	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
35) Dibromofluoromethane	4.11	113	135231	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	7.55	98	385273	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
62) 4-Bromofluorobenzene	11.41	95	158053	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	65574	23.039	ug/l	100
3) Chloromethane	1.09	50	64055	22.146	ug/l #	84
4) Vinyl Chloride	1.13	62	64906	23.203	ug/l	99
5) Bromomethane	1.32	94	44112	22.448	ug/l	95
6) Chloroethane	1.38	64	32820	22.727	ug/l	96
7) Trichlorofluoromethane	1.49	101	82081	22.148	ug/l	99
8) Diethyl Ether	1.63	74	16440	19.955	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.83	101	55365	21.204	ug/l	97
10) Methyl Iodide	1.89	142	101711m	22.250	ug/l	
11) Tert butyl alcohol	2.57	59	10787	91.725	ug/l #	78
12) 1,1-Dichloroethene	1.78	96	49000	21.745	ug/l	88
13) Acrolein	2.00	56	12462m	98.162	ug/l	
14) Allyl chloride	2.10	41	62663	21.785	ug/l	95
15) Acrylonitrile	2.95	53	38007	106.278	ug/l	96
16) Acetone	2.24	43	42697	98.936	ug/l	97
17) Carbon Disulfide	1.81	76	149312m	22.922	ug/l	
18) Methyl Acetate	2.34	43	15996m	16.356	ug/l	
19) Methyl tert-butyl Ether	2.43	73	84321	20.651	ug/l	96
20) Methylene Chloride	2.18	84	48935m	21.733	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	52231	22.211	ug/l	98
22) Diisopropyl ether	2.80	45	144479	20.882	ug/l #	95
23) Vinyl Acetate	3.18	43	313044	114.776	ug/l	99
24) 1,1-Dichloroethane	2.87	63	87083	21.646	ug/l	97
25) 2-Butanone	4.34	43	84477	98.838	ug/l #	88
26) 2,2-Dichloropropane	3.60	77	35085	18.489	ug/l	91
27) cis-1,2-Dichloroethene	3.47	96	62908	21.225	ug/l	95
28) Bromochloromethane	3.72	49	35034	20.988	ug/l	93
29) Tetrahydrofuran	4.07	42	37568	101.070	ug/l	98
30) Chloroform	3.86	83	94665	20.768	ug/l	97
31) Cyclohexane	3.69	56	84861	21.353	ug/l	96
32) 1,1,1-Trichloroethane	4.10	97	64436	21.286	ug/l	92
36) 1,1-Dichloropropene	4.28	75	80103	22.342	ug/l	97
37) Ethyl Acetate	4.11	43	31628	19.647	ug/l	90
38) Carbon Tetrachloride	3.98	117	56031	21.384	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	96478	22.922	ug/l	98
40) Benzene	4.63	78	191130	20.119	ug/l	99
41) Methacrylonitrile	4.74	41	17552	20.407	ug/l	92
42) 1,2-Dichloroethane	4.94	62	50117	21.192	ug/l	99
43) Isopropyl Acetate	6.96	43	40037	21.020	ug/l #	87
44) Trichloroethene	5.50	130	60800	20.892	ug/l	94
45) 1,2-Dichloropropane	6.23	63	48287	21.477	ug/l	96
46) Dibromomethane	6.09	93	29162	21.804	ug/l	96
47) Bromodichloromethane	6.39	83	66308	21.029	ug/l	96
48) Methyl methacrylate	6.71	41	25950	21.081	ug/l	96
49) 1,4-Dioxane	6.70	88	4498	410.789	ug/l #	73
51) 4-Methyl-2-Pentanone	8.26	43	143574	106.151	ug/l	94
52) Toluene	7.62	92	118035	20.335	ug/l	96
53) t-1,3-Dichloropropene	8.28	75	56904	21.376	ug/l	97
54) cis-1,3-Dichloropropene	7.29	75	73255	21.090	ug/l	94
55) 1,1,2-Trichloroethane	8.49	97	34511	21.302	ug/l	93
56) Ethyl methacrylate	8.62	69	39153	21.260	ug/l	94
57) 1,3-Dichloropropane	8.85	76	58656	21.705	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	35069	105.133	ug/l	100
59) 2-Hexanone	9.49	43	106548	108.851	ug/l	97
60) Dibromochloromethane	8.71	129	48217	21.439	ug/l	97
61) 1,2-Dibromoethane	8.98	107	38429	22.114	ug/l	94
64) Tetrachloroethene	8.15	164	53875	21.652	ug/l	96
65) Chlorobenzene	9.80	112	134040	21.032	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.93	131	53070	21.483	ug/l	97
67) Ethyl Benzene	9.90	91	238809	21.885	ug/l	99
68) m/p-Xylenes	10.13	106	180738	44.037	ug/l	92
69) o-Xylene	10.72	106	94280	21.468	ug/l	100
70) Styrene	10.79	104	132838	21.834	ug/l	97
71) Bromoform	10.78	173	25030	20.032	ug/l	98
73) Isopropylbenzene	11.12	105	277079	21.647	ug/l	97
74) N-amyl acetate	11.37	43	63039	21.494	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.69	83	45523	21.547	ug/l	87
76) 1,2,3-Trichloropropane	11.79	75	31237	21.144	ug/l	96
77) Bromobenzene	11.50	156	61952	20.900	ug/l	97
78) n-propylbenzene	11.59	91	321744	21.861	ug/l	98
79) 2-Chlorotoluene	11.72	91	178305	21.463	ug/l	98
80) 1,3,5-Trimethylbenzene	11.82	105	229849	22.230	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	14363m	21.976	ug/l	
82) 4-Chlorotoluene	11.90	91	185631	22.096	ug/l	99
83) tert-Butylbenzene	12.13	119	247866	22.923	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	221343	21.373	ug/l	94
85) sec-Butylbenzene	12.30	105	314998	21.561	ug/l	97
86) p-Isopropyltoluene	12.46	119	266156	21.833	ug/l	99
87) 1,3-Dichlorobenzene	12.47	146	129751	22.272	ug/l	99
88) 1,4-Dichlorobenzene	12.56	146	121486	21.665	ug/l	99
89) n-Butylbenzene	12.85	91	257852	22.510	ug/l	94
90) Hexachloroethane	12.92	117	60715	21.824	ug/l	98
91) 1,2-Dichlorobenzene	12.94	146	115550	21.415	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	5980	17.638	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	78011	20.762	µg/l	96
94) Hexachlorobutadiene	14.19	225	55408	22.212	µg/l	94
95) Naphthalene	14.45	128	135849	20.102	µg/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	72092	20.855	µg/l	95

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

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