

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF030419\
 Data File : VF061827.D
 Acq On : 4 Mar 2019 18:27
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 10:47:35 AM

Quant Time: Mar 05 04:55:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:04:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	299194	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	456463	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	398386	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	202102	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.85	65	230894	105.24	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	210.48%	
35) Dibromofluoromethane	4.12	113	318397	93.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.86%	
50) Toluene-d8	7.56	98	942216	96.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.38%	
62) 4-Bromofluorobenzene	11.42	95	347348	88.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	176.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	347260	101.067	ug/l	98
3) Chloromethane	1.10	50	333208	92.429	ug/l	96
4) Vinyl Chloride	1.14	62	322586	96.256	ug/l	95
5) Bromomethane	1.33	94	212469	92.116	ug/l	98
6) Chloroethane	1.39	64	159136	96.354	ug/l	95
7) Trichlorofluoromethane	1.49	101	408176m	100.980	ug/l	
8) Diethyl Ether	1.63	74	90948	89.282	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.84	101	262242	89.931	ug/l #	91
10) Methyl Iodide	1.91	142	519074m	93.187	ug/l	
11) Tert butyl alcohol	2.58	59	70102	552.085	ug/l	95
12) 1,1-Dichloroethene	1.79	96	237092	92.477	ug/l	90
13) Acrolein	2.01	56	89121	558.447	ug/l	94
14) Allyl chloride	2.10	41	282549	89.811	ug/l	98
15) Acrylonitrile	2.94	53	212838	472.563	ug/l	95
16) Acetone	2.24	43	236160	501.677	ug/l	97
17) Carbon Disulfide	1.83	76	756534	93.876	ug/l	96
18) Methyl Acetate	2.35	43	104082	98.147	ug/l	93
19) Methyl tert-butyl Ether	2.43	73	462743	105.610	ug/l	98
20) Methylene Chloride	2.25	84	248194m	87.279	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	256421	92.005	ug/l	98
22) Diisopropyl ether	2.81	45	760133	100.655	ug/l	98
23) Vinyl Acetate	3.19	43	1723346	467.215	ug/l	99
24) 1,1-Dichloroethane	2.88	63	436443	95.499	ug/l	100
25) 2-Butanone	4.35	43	502142	488.348	ug/l	97
26) 2,2-Dichloropropane	3.61	77	188245	97.243	ug/l	97
27) cis-1,2-Dichloroethene	3.48	96	341444	93.337	ug/l	98
28) Bromochloromethane	3.72	49	181204	82.636	ug/l	100
29) Tetrahydrofuran	4.08	42	218776	468.124	ug/l	98
30) Chloroform	3.86	83	491549	94.578	ug/l	98
31) Cyclohexane	3.69	56	444139m	89.772	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	316633	93.003	ug/l	97
36) 1,1-Dichloropropene	4.29	75	403974	89.339	ug/l	94
37) Ethyl Acetate	4.12	43	187950	89.488	ug/l	94
38) Carbon Tetrachloride	3.99	117	281132	90.038	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	480539	89.858	ug/l	98
40) Benzene	4.63	78	1057651	89.422	ug/l	99
41) Methacrylonitrile	4.75	41	101579	94.573	ug/l #	91
42) 1,2-Dichloroethane	4.95	62	288093	101.828	ug/l	92
43) Isopropyl Acetate	6.96	43	233915	94.090	ug/l	92
44) Trichloroethene	5.51	130	338133	88.406	ug/l	98
45) 1,2-Dichloropropane	6.24	63	263614	92.207	ug/l	98
46) Dibromomethane	6.09	93	178612	101.469	ug/l	90
47) Bromodichloromethane	6.39	83	369759	95.923	ug/l	100
48) Methyl methacrylate	6.72	41	152226	101.749	ug/l	93
49) 1,4-Dioxane	6.71	88	29764	2116.325	ug/l	86
51) 4-Methyl-2-Pentanone	8.26	43	768391	432.561	ug/l	98
52) Toluene	7.63	92	639316	89.125	ug/l	93
53) t-1,3-Dichloropropene	8.28	75	313097	97.593	ug/l	98
54) cis-1,3-Dichloropropene	7.30	75	418192	97.862	ug/l	94
55) 1,1,2-Trichloroethane	8.50	97	197359	93.643	ug/l	97
56) Ethyl methacrylate	8.62	69	227773	97.071	ug/l	96
57) 1,3-Dichloropropane	8.85	76	320910	91.225	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.29	63	188197	464.855	ug/l	99
59) 2-Hexanone	9.49	43	536537	430.887	ug/l	100
60) Dibromochloromethane	8.71	129	292970	99.872	ug/l	100
61) 1,2-Dibromoethane	8.99	107	223314	97.691	ug/l	100
64) Tetrachloroethene	8.15	164	285453	87.660	ug/l	97
65) Chlorobenzene	9.80	112	742202	91.809	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.94	131	293980	92.803	ug/l	97
67) Ethyl Benzene	9.91	91	1173062	87.256	ug/l	96
68) m/p-Xylenes	10.13	106	873490	169.769	ug/l	92
69) o-Xylene	10.72	106	499621	91.003	ug/l	95
70) Styrene	10.79	104	705855	90.881	ug/l	97
71) Bromoform	10.77	173	162441	94.433	ug/l	96
73) Isopropylbenzene	11.13	105	1314443	91.349	ug/l	93
74) N-amyl acetate	11.38	43	335037	97.006	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.70	83	249542	96.801	ug/l	95
76) 1,2,3-Trichloropropane	11.80	75	167179	95.385	ug/l	95
77) Bromobenzene	11.49	156	337015	94.806	ug/l	90
78) n-propylbenzene	11.59	91	1448351	87.714	ug/l	100
79) 2-Chlorotoluene	11.72	91	849676	91.881	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	1033598	89.874	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	81344m	96.809	ug/l	
82) 4-Chlorotoluene	11.90	91	863107	89.921	ug/l	98
83) tert-Butylbenzene	12.14	119	1108551	87.027	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	1001377	87.644	ug/l	98
85) sec-Butylbenzene	12.31	105	1455729	88.375	ug/l	95
86) p-Isopropyltoluene	12.46	119	1222432	88.427	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	594678	85.811	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	598369	89.780	ug/l	97
89) n-Butylbenzene	12.85	91	1130354	86.591	ug/l	91
90) Hexachloroethane	12.92	117	317507	98.753	ug/l	92
91) 1,2-Dichlorobenzene	12.94	146	576848	87.512	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	43652	106.802	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	406218	85.977	ug/l	100
94) Hexachlorobutadiene	14.20	225	268945	92.168	ug/l	97
95) Naphthalene	14.45	128	834389	100.936	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	406514	93.741	ug/l	97

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

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