

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041619\
 Data File : VF062170.D
 Acq On : 16 Apr 2019 11:18
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 11:50:06 AM

Quant Time: Apr 17 07:59:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F041619S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 07:22:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	444278	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	666333	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	557077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	277610	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	40822	10.20	ug/l	0.00
Spiked Amount						
			Recovery	=	20.40%	
35) Dibromofluoromethane	4.31	113	56390	10.73	ug/l	0.00
Spiked Amount						
			Recovery	=	21.46%	
50) Toluene-d8	7.71	98	163396	10.64	ug/l	0.00
Spiked Amount						
			Recovery	=	21.28%	
62) 4-Bromofluorobenzene	11.49	95	65518	10.80	ug/l	0.00
Spiked Amount						
			Recovery	=	21.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	77324	11.842	ug/l	96
3) Chloromethane	1.13	50	81776	11.651	ug/l	95
4) Vinyl Chloride	1.18	62	68154	11.091	ug/l	93
5) Bromomethane	1.37	94	46031	11.671	ug/l	98
6) Chloroethane	1.44	64	33036	11.363	ug/l	98
7) Trichlorofluoromethane	1.54	101	81551	11.128	ug/l	97
8) Diethyl Ether	1.71	74	15469	10.463	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.90	101	56572	11.794	ug/l	93
10) Methyl Iodide	1.97	142	99848	11.167	ug/l	96
11) Tert butyl alcohol	2.69	59	11835	53.343	ug/l #	48
12) 1,1-Dichloroethene	1.86	96	52576	10.778	ug/l	90
13) Acrolein	2.10	56	10330	59.713	ug/l #	73
14) Allyl chloride	2.20	41	88038	11.985	ug/l	99
15) Acrylonitrile	3.08	53	42735	52.311	ug/l	97
16) Acetone	2.35	43	47428	52.555	ug/l	91
17) Carbon Disulfide	1.89	76	156072	11.250	ug/l	99
18) Methyl Acetate	2.45	43	33025m	15.424	ug/l	
19) Methyl tert-butyl Ether	2.54	73	93191	11.485	ug/l #	89
20) Methylene Chloride	2.33	84	61021	11.801	ug/l	99
21) trans-1,2-Dichloroethene	2.42	96	53153	11.388	ug/l	94
22) Diisopropyl ether	2.93	45	153826	11.266	ug/l	95
23) Vinyl Acetate	3.34	43	377377	55.408	ug/l	98
24) 1,1-Dichloroethane	3.02	63	83407	10.970	ug/l	97
25) 2-Butanone	4.51	43	106139	54.734	ug/l	100
26) 2,2-Dichloropropane	3.78	77	45762	11.442	ug/l	100
27) cis-1,2-Dichloroethene	3.65	96	68771	11.100	ug/l	96
28) Bromochloromethane	3.90	49	36893	10.133	ug/l	99
29) Tetrahydrofuran	4.27	42	50643	58.733	ug/l	96
30) Chloroform	4.05	83	107542	11.376	ug/l	92
31) Cyclohexane	3.88	56	111856	11.396	ug/l	98
32) 1,1,1-Trichloroethane	4.29	97	75290	11.680	ug/l	99
36) 1,1-Dichloropropene	4.48	75	87287	11.790	ug/l	98
37) Ethyl Acetate	4.30	43	39519	11.585	ug/l	91
38) Carbon Tetrachloride	4.18	117	74497m	11.505	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	105115	11.330	ug/l	98
40) Benzene	4.82	78	227242	11.620	ug/l	100
41) Methacrylonitrile	4.93	41	22812	11.129	ug/l	93
42) 1,2-Dichloroethane	5.13	62	55093	11.131	ug/l	99
43) Isopropyl Acetate	7.12	43	45389	11.449	ug/l #	98
44) Trichloroethene	5.68	130	60757	11.607	ug/l	99
45) 1,2-Dichloropropane	6.41	63	54180	11.293	ug/l	95
46) Dibromomethane	6.26	93	31267	10.808	ug/l	100
47) Bromodichloromethane	6.56	83	74576	11.379	ug/l	99
48) Methyl methacrylate	6.88	41	28472	11.033	ug/l	96
49) 1,4-Dioxane	6.87	88	4139	205.824	ug/l #	74
51) 4-Methyl-2-Pentanone	8.40	43	178210	58.676	ug/l	95
52) Toluene	7.78	92	134987	11.750	ug/l	92
53) t-1,3-Dichloropropene	8.42	75	63873	11.251	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	85395	11.829	ug/l	91
55) 1,1,2-Trichloroethane	8.64	97	38731	11.771	ug/l	96
56) Ethyl methacrylate	8.75	69	47170	12.056	ug/l #	89
57) 1,3-Dichloropropane	8.99	76	62648	11.581	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.44	63	58029	57.564	ug/l	99
59) 2-Hexanone	9.62	43	120985	62.592	ug/l	99
60) Dibromochloromethane	8.86	129	53658	11.852	ug/l	98
61) 1,2-Dibromoethane	9.13	107	38546	10.950	ug/l	98
64) Tetrachloroethene	8.30	164	51240	11.262	ug/l	92
65) Chlorobenzene	9.93	112	131626	11.358	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	52861	11.049	ug/l	91
67) Ethyl Benzene	10.02	91	248486	11.567	ug/l	96
68) m/p-Xylenes	10.25	106	185891	23.503	ug/l	88
69) o-Xylene	10.81	106	98254	11.476	ug/l	86
70) Styrene	10.89	104	150356	12.081	ug/l	99
71) Bromoform	10.87	173	28777	11.486	ug/l	99
73) Isopropylbenzene	11.21	105	283933	11.872	ug/l	94
74) N-amyl acetate	11.44	43	76256	12.233	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	49059	11.515	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	33995	11.776	ug/l	95
77) Bromobenzene	11.58	156	56952	11.450	ug/l	82
78) n-propylbenzene	11.67	91	326311	12.003	ug/l	96
79) 2-Chlorotoluene	11.80	91	188111	11.739	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	239584	12.011	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	16031m	10.320	ug/l	
82) 4-Chlorotoluene	11.97	91	187711	11.954	ug/l	97
83) tert-Butylbenzene	12.19	119	239342	12.084	ug/l	97
84) 1,2,4-Trimethylbenzene	12.26	105	236758	12.231	ug/l	89
85) sec-Butylbenzene	12.37	105	309687	11.891	ug/l	99
86) p-Isopropyltoluene	12.52	119	270431	12.188	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	107865	11.853	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	103511	11.667	ug/l	98
89) n-Butylbenzene	12.89	91	276441	12.448	ug/l	93
90) Hexachloroethane	12.97	117	62821	11.559	ug/l	94
91) 1,2-Dichlorobenzene	12.99	146	105773	12.112	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	8891	11.587	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	77961	11.886	ug/l	98
94) Hexachlorobutadiene	14.22	225	47880	11.201	ug/l	99
95) Naphthalene	14.49	128	127852	11.157	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	69605	11.391	ug/l	99

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

