

Data File : VF062452.D
Acq On : 11 May 2019 10:42
Operator : FY/SY
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
5/12/2019 12:04:22 PM

Quant Time: May 12 04:03:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	352422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	450501	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	410972	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	242849	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	175145	52.59	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.18%	
35) Dibromofluoromethane	4.31	113	192190	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
50) Toluene-d8	7.71	98	476003	54.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.58%	
62) 4-Bromofluorobenzene	11.50	95	210511	53.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.01	85	180496	44.253	ug/l	94
3) Chloromethane	1.15	50	115831	43.059	ug/l	92
4) Vinyl Chloride	1.19	62	119486	44.532	ug/l	95
5) Bromomethane	1.38	94	102865	50.850	ug/l	97
6) Chloroethane	1.44	64	64939	48.139	ug/l	100
7) Trichlorofluoromethane	1.55	101	297717	53.478	ug/l	98
8) Diethyl Ether	1.71	74	41358	49.098	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.91	101	163607	51.476	ug/l	99
10) Methyl Iodide	1.99	142	272370	52.002	ug/l	100
11) Tert butyl alcohol	2.69	59	43397	230.550	ug/l	98
12) 1,1-Dichloroethene	1.87	96	127194	47.074	ug/l	93
13) Acrolein	2.10	56	35480	310.008	ug/l #	82
14) Allyl chloride	2.20	41	181809m	76.172	ug/l	
15) Acrylonitrile	3.09	53	92142	258.419	ug/l	96
16) Acetone	2.35	43	224038	332.528	ug/l	94
17) Carbon Disulfide	1.91	76	265857	45.125	ug/l	97
18) Methyl Acetate	2.47	43	59867	48.639	ug/l	97
19) Methyl tert-butyl Ether	2.55	73	283414	50.813	ug/l	99
20) Methylene Chloride	2.29	84	119870m	49.175	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	123879	48.121	ug/l	93
22) Diisopropyl ether	2.94	45	385182	51.635	ug/l	99
23) Vinyl Acetate	3.36	43	820929	246.914	ug/l	98
24) 1,1-Dichloroethane	3.02	63	242571	53.803	ug/l	99
25) 2-Butanone	4.53	43	219505	259.327	ug/l	99
26) 2,2-Dichloropropane	3.78	77	162861	64.685	ug/l	97
27) cis-1,2-Dichloroethene	3.65	96	165557	51.448	ug/l	97
28) Bromochloromethane	3.91	49	105354	51.525	ug/l	98
29) Tetrahydrofuran	4.27	42	84907	218.258	ug/l	99
30) Chloroform	4.06	83	326304	53.571	ug/l	98
31) Cyclohexane	3.89	56	169288	47.042	ug/l	93
32) 1,1,1-Trichloroethane	4.30	97	283605	54.327	ug/l	98
36) 1,1-Dichloropropene	4.48	75	205560	53.117	ug/l	99
37) Ethyl Acetate	4.30	43	84014	56.427	ug/l #	94
38) Carbon Tetrachloride	4.19	117	254556m	64.206	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	203574	52.451	ug/l	96
40) Benzene	4.83	78	451946	53.033	ug/l	93
41) Methacrylonitrile	4.94	41	46749	50.379	ug/l	96
42) 1,2-Dichloroethane	5.14	62	200960	56.383	ug/l	100
43) Isopropyl Acetate	7.12	43	89324	50.745	ug/l #	99
44) Trichloroethene	5.69	130	169854	54.258	ug/l	98
45) 1,2-Dichloropropane	6.42	63	105239	54.521	ug/l	98
46) Dibromomethane	6.26	93	89494	55.920	ug/l	95
47) Bromodichloromethane	6.56	83	226395	56.581	ug/l	97
48) Methyl methacrylate	6.88	41	66390	53.370	ug/l	95
49) 1,4-Dioxane	6.87	88	13115	1025.439	ug/l	98
51) 4-Methyl-2-Pentanone	8.40	43	381454	285.986	ug/l	98
52) Toluene	7.78	92	296404	56.380	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	176668	58.378	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	209616	59.515	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	94936	56.885	ug/l	91
56) Ethyl methacrylate	8.76	69	86944	49.352	ug/l	97
57) 1,3-Dichloropropane	9.00	76	142245	56.426	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	113197	213.721	ug/l	99
59) 2-Hexanone	9.62	43	266242	288.618	ug/l	98
60) Dibromochloromethane	8.87	129	157990	57.881	ug/l	100
61) 1,2-Dibromoethane	9.13	107	106957	54.528	ug/l	97
64) Tetrachloroethene	8.31	164	163781	49.089	ug/l	99
65) Chlorobenzene	9.94	112	369822	54.387	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	173314	50.525	ug/l	98
67) Ethyl Benzene	10.04	91	625879	52.564	ug/l	99
68) m/p-Xylenes	10.27	106	443956	101.054	ug/l	98
69) o-Xylene	10.82	106	256222	53.973	ug/l	97
70) Styrene	10.90	104	357103	50.192	ug/l	100
71) Bromoform	10.89	173	94961	50.530	ug/l #	97
73) Isopropylbenzene	11.22	105	759444	52.750	ug/l	100
74) N-amyl acetate	11.45	43	151406	48.985	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.77	83	117044	51.922	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	92626	53.858	ug/l #	100
77) Bromobenzene	11.59	156	199674	52.845	ug/l	99
78) n-propylbenzene	11.67	91	797548	52.033	ug/l	99
79) 2-Chlorotoluene	11.80	91	502297	52.701	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	672634	53.304	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	30792m	47.632	ug/l	
82) 4-Chlorotoluene	11.98	91	489590	52.009	ug/l	99
83) tert-Butylbenzene	12.20	119	692396	52.210	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	642667	52.042	ug/l	98
85) sec-Butylbenzene	12.37	105	862951	53.460	ug/l	99
86) p-Isopropyltoluene	12.52	119	768240	51.225	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	348170	50.454	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	351060	52.709	ug/l	99
89) n-Butylbenzene	12.90	91	694739	52.068	ug/l	99
90) Hexachloroethane	12.98	117	188871	50.437	ug/l	95
91) 1,2-Dichlorobenzene	13.00	146	345706	51.758	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.69	75	24279	48.076	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051119\
Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	316651	52.854	ug/l	97
94) Hexachlorobutadiene	14.23	225	232103	51.979	ug/l	98
95) Naphthalene	14.49	128	475588	52.802	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	307240	52.935	ug/l	99

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

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