

Data File : VF058114.D
Acq On : 6 Jun 2018 18:37
Operator : JC/SY
Sample : VSTDICC100
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:53 PM

Quant Time: Jun 07 06:59:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	346958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	580402	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	552801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	307817	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	441303	102.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.64%	
35) Dibromofluoromethane	4.29	113	394499	91.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	183.28%	
50) Toluene-d8	7.71	98	1133790	88.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	177.74%	
62) 4-Bromofluorobenzene	11.51	95	570138	89.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	385077	91.902	ug/l	99
3) Chloromethane	1.08	50	282431	85.077	ug/l	99
4) Vinyl Chloride	1.15	62	274307	98.971	ug/l	98
5) Bromomethane	1.34	94	156638	99.810	ug/l	97
6) Chloroethane	1.42	64	116975	99.078	ug/l	91
7) Trichlorofluoromethane	1.48	101	452496m	107.486	ug/l	
8) Diethyl Ether	1.70	74	104096	101.534	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.90	101	258921	99.789	ug/l	98
10) Methyl Iodide	1.96	142	472639m	102.455	ug/l	
11) Tert butyl alcohol	2.68	59	139285	564.882	ug/l	97
12) 1,1-Dichloroethene	1.85	96	230468	102.082	ug/l	90
13) Acrolein	2.08	56	111000	692.029	ug/l	95
14) Allyl chloride	2.18	41	433471	100.426	ug/l	100
15) Acrylonitrile	3.07	53	301264	528.512	ug/l	96
16) Acetone	2.33	43	526625	557.725	ug/l	95
17) Carbon Disulfide	1.83	76	662366m	102.234	ug/l	
18) Methyl Acetate	2.44	43	176178	100.049	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	737850	104.360	ug/l	99
20) Methylene Chloride	2.27	84	222700m	96.335	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	244106	100.161	ug/l	95
22) Diisopropyl ether	2.92	45	897696	106.244	ug/l	95
23) Vinyl Acetate	3.32	43	2900256	468.481	ug/l	99
24) 1,1-Dichloroethane	3.00	63	544914	104.113	ug/l	99
25) 2-Butanone	4.50	43	784382	512.100	ug/l	98
26) 2,2-Dichloropropane	3.76	77	365532	98.819	ug/l	92
27) cis-1,2-Dichloroethene	3.63	96	381292	94.083	ug/l	96
28) Bromochloromethane	3.88	49	231996	100.334	ug/l #	95
29) Tetrahydrofuran	4.24	42	346701	490.372	ug/l	96
30) Chloroform	4.03	83	749693	95.483	ug/l	93
31) Cyclohexane	3.85	56	444520	90.242	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	548029	98.334	ug/l	98
36) 1,1-Dichloropropene	4.46	75	537506	91.567	ug/l	98
37) Ethyl Acetate	4.28	43	343300	99.182	ug/l	97
38) Carbon Tetrachloride	4.16	117	597993m	95.887	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	544522	89.772	ug/l	99
40) Benzene	4.80	78	1243159	90.454	ug/l	98
41) Methacrylonitrile	4.92	41	176713	100.813	ug/l	94
42) 1,2-Dichloroethane	5.12	62	592949	100.471	ug/l	98
43) Isopropyl Acetate	7.11	43	485723	103.506	ug/l #	94
44) Trichloroethene	5.67	130	386561	90.305	ug/l	98
45) 1,2-Dichloropropane	6.40	63	357553	89.493	ug/l	95
46) Dibromomethane	6.25	93	289678	96.050	ug/l	96
47) Bromodichloromethane	6.54	83	630344	94.728	ug/l	99
48) Methyl methacrylate	6.87	41	301717	101.718	ug/l	96
49) 1,4-Dioxane	6.85	88	36023	1759.976	ug/l	94
51) 4-Methyl-2-Pentanone	8.40	43	1523121	467.559	ug/l	98
52) Toluene	7.78	92	874575	89.625	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	603799	94.976	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	695164	95.176	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	333601	94.032	ug/l	95
56) Ethyl methacrylate	8.76	69	445334	99.256	ug/l	97
57) 1,3-Dichloropropane	9.00	76	571224	92.480	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	141461	456.050	ug/l	100
59) 2-Hexanone	9.63	43	1213665	475.791	ug/l	100
60) Dibromochloromethane	8.86	129	496467	98.415	ug/l	99
61) 1,2-Dibromoethane	9.14	107	403323	95.287	ug/l	96
64) Tetrachloroethene	8.30	164	390158	93.501	ug/l	94
65) Chlorobenzene	9.94	112	1052967	94.010	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	419501	95.817	ug/l	98
67) Ethyl Benzene	10.03	91	1773751	90.102	ug/l	99
68) m/p-Xylenes	10.27	106	1271264	174.180	ug/l	95
69) o-Xylene	10.82	106	737225	92.740	ug/l	98
70) Styrene	10.90	104	1085905	91.102	ug/l	98
71) Bromoform	10.89	173	308429	102.435	ug/l #	95
73) Isopropylbenzene	11.23	105	1958211	89.581	ug/l	96
74) N-amyl acetate	11.46	43	747129	91.653	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	490428	93.660	ug/l	100
76) 1,2,3-Trichloropropane	11.89	75	368319	96.397	ug/l	100
77) Bromobenzene	11.59	156	516023	94.729	ug/l	93
78) n-propylbenzene	11.69	91	2268658	86.857	ug/l	96
79) 2-Chlorotoluene	11.81	91	1344716	87.149	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	1574498	86.884	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	248637	102.745	ug/l	98
82) 4-Chlorotoluene	11.99	91	1456527	89.507	ug/l	99
83) tert-Butylbenzene	12.21	119	1555861	85.843	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	1596145	84.905	ug/l	98
85) sec-Butylbenzene	12.39	105	2104490	85.721	ug/l	95
86) p-Isopropyltoluene	12.54	119	1776051	86.777	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	899793	89.602	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	908461	94.228	ug/l	97
89) n-Butylbenzene	12.92	91	1727698	80.994	ug/l	94
90) Hexachloroethane	12.99	117	463064	93.815	ug/l	88
91) 1,2-Dichlorobenzene	13.02	146	901979	92.527	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	105642	105.776	ug/l	89

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Quantitation Report (QT Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	639936	93.598	ug/l	94
94) Hexachlorobutadiene	14.25	225	362051	91.723	ug/l	96
95) Naphthalene	14.52	128	1476629	101.171	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	616275	95.671	ug/l	99

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

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